# STK10 Conjugated Antibody

Catalog No: #C35288



Package Size: #C35288-AF350 100ul #C35288-AF405 100ul #C35288-AF488 100ul

#C35288-AF555 100ul #C35288-AF594 100ul #C35288-AF647 100ul

#C35288-AF680 100ul #C35288-AF750 100ul #C35288-Biotin 100ul

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### Description

| Product Name         STK10 Conjugated Antibody           Host Species         Rabbit           Clonality         Polyclonal           Species Reactivity         Hu           Specificity         The antibody detects endogenous levels of total STK10 protein.           Immunogen Description         Synthesized peptide derived from internal of human STK10.           Conjugates         Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750           Other Names         kinase GEK2;LOK;Lymphocyte-oriented kinase;Serine/threonine protein kinase 10;STK10           Accession No.         Swiss-Prot#:O94804NCBI Gene ID:6793           Uniprot         O94804           GeneID         6793;           Excitation Emission         AF350: 346nm/442nm           AF405: 401nm/421nm         AF4405: 401nm/421nm           AF488: 493nm/519nm         AF556: 555nm/565nm           AF594: 591nm/614nm         AF680: 679nm/702nm           AF680: 679nm/702nm         AF680: 679nm/702nm           AF50: 749nm/775nm         AF750: 749nm/775nm           Calculated MW         120 |                       |   |
|---|-----------------------|---|
| Clonality Polyclonal  Species Reactivity Hu  Specificity The antibody detects endogenous levels of total STK10 protein.  Immunogen Description Synthesized peptide derived from internal of human STK10.  Conjugates Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750  Other Names kinase GEK2;LOK;Lymphocyte-oriented kinase;Serine/threonine protein kinase 10;STK10  Accession No. Swiss-Prot#:O94804NCBI Gene ID:6793  Uniprot O94804  GeneID 6793;  Excitation Emission AF350: 346nm/442nm  AF405: 401nm/421nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Calculated MW 120  | Product Name          | STK10 Conjugated Antibody   |
| Species Reactivity  Hu  Specificity  The antibody detects endogenous levels of total STK10 protein.  Immunogen Description  Synthesized peptide derived from internal of human STK10.  Conjugates  Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750  Other Names  kinase GEK2;LOK;Lymphocyte-oriented kinase;Serine/threonine protein kinase 10;STK10  Accession No.  Uniprot  O94804  GeneID  6793;  Excitation Emission  AF350: 346nm/442nm  AF405: 401nm/421nm  AF488: 493nm/519nm  AF594: 591nm/614nm  AF694: 651nm/667nm  AF690: 679nm/702nm  AF750: 749nm/775nm  Calculated MW  120   | Host Species          | Rabbit  |
| Specificity The antibody detects endogenous levels of total STK10 protein.  Immunogen Description Synthesized peptide derived from internal of human STK10.  Conjugates Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750  Other Names kinase GEK2;LOK;Lymphocyte-oriented kinase;Serine/threonine protein kinase 10;STK10  Accession No. Swiss-Prot#:O94804NCBI Gene ID:6793  Uniprot O94804  GeneID 6793;  Excitation Emission AF350: 346nm/442nm  AF405: 401nm/421nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Calculated MW 120   | Clonality             | Polyclonal  |
| Immunogen Description Synthesized peptide derived from internal of human STK10.  Conjugates Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750  Other Names kinase GEK2;LOK;Lymphocyte-oriented kinase;Serine/threonine protein kinase 10;STK10  Accession No. Swiss-Prot#:O94804NCBI Gene ID:6793  Uniprot O94804  GeneID 6793;  Excitation Emission AF350: 346nm/442nm  AF405: 401nm/421nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Calculated MW 120   | Species Reactivity    | Hu  |
| Conjugates         Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750           Other Names         kinase GEK2;LOK;Lymphocyte-oriented kinase;Serine/threonine protein kinase 10;STK10           Accession No.         Swiss-Prot#:O94804NCBI Gene ID:6793           Uniprot         O94804           GeneID         6793;           Excitation Emission         AF350: 346nm/442nm           AF405: 401nm/421nm         AF488: 493nm/519nm           AF555: 555nm/565nm         AF594: 591nm/614nm           AF647: 651nm/667nm         AF680: 679nm/702nm           AF750: 749nm/775nm         Calculated MW   | Specificity           | The antibody detects endogenous levels of total STK10 protein.                              |
| Other Names         kinase GEK2;LOK;Lymphocyte-oriented kinase;Serine/threonine protein kinase 10;STK10           Accession No.         Swiss-Prot#:O94804NCBI Gene ID:6793           Uniprot         O94804           GeneID         6793;           Excitation Emission         AF350: 346nm/442nm           AF405: 401nm/421nm         AF488: 493nm/519nm           AF555: 555nm/565nm         AF594: 591nm/614nm           AF647: 651nm/667nm         AF680: 679nm/702nm           AF750: 749nm/775nm           Calculated MW         120   | Immunogen Description | Synthesized peptide derived from internal of human STK10.                                   |
| Accession No. Swiss-Prot#:094804NCBI Gene ID:6793  Uniprot O94804  GeneID 6793;  Excitation Emission AF350: 346nm/442nm  AF405: 401nm/421nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Calculated MW 120  | Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750                                      |
| Uniprot O94804  GeneID 6793;  Excitation Emission AF350: 346nm/442nm  AF405: 401nm/421nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Calculated MW 120   | Other Names           | kinase GEK2;LOK;Lymphocyte-oriented kinase;Serine/threonine protein kinase 10;STK10         |
| GeneID       6793;         Excitation Emission       AF350: 346nm/442nm         AF405: 401nm/421nm       AF488: 493nm/519nm         AF555: 555nm/565nm       AF594: 591nm/614nm         AF647: 651nm/667nm       AF680: 679nm/702nm         AF750: 749nm/775nm       Calculated MW  | Accession No.         | Swiss-Prot#:094804NCBI Gene ID:6793   |
| Excitation Emission  AF350: 346nm/442nm  AF405: 401nm/421nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Calculated MW  120   | Uniprot               | O94804  |
| AF405: 401nm/421nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Calculated MW 120   | GeneID                | 6793;   |
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| AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Calculated MW 120   |                       | AF405: 401nm/421nm  |
| AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Calculated MW 120   |                       | AF488: 493nm/519nm  |
| AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Calculated MW 120   |                       | AF555: 555nm/565nm  |
| AF680: 679nm/702nm  |                       | AF594: 591nm/614nm  |
| AF750: 749nm/775nm  Calculated MW 120   |                       | AF647: 651nm/667nm  |
| Calculated MW 120   |                       | AF680: 679nm/702nm  |
|   |                       | AF750: 749nm/775nm  |
| Formulation 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Az  | Calculated MW         | 120   |
|   | Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage Store at 4°C in dark for 6 months   | Storage               | Store at 4°C in dark for 6 months   |

#### **Application Details**

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250
AF405 conjugated: most applications: 1: 50 - 1: 250
AF488 conjugated: most applications: 1: 50 - 1: 250
AF555 conjugated: most applications: 1: 50 - 1: 250
AF594 conjugated: most applications: 1: 50 - 1: 250
AF647 conjugated: most applications: 1: 50 - 1: 250
AF680 conjugated: most applications: 1: 50 - 1: 250
AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Product Description

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

#### Background

Serine/threonine-protein kinase involved in regulation of lymphocyte migration. Phosphorylates MSN, and possibly PLK1. Involved in regulation of lymphocyte migration by mediating phosphorylation of ERM proteins such as MSN. Acts as a negative regulator of MAP3K1/MEKK1. May also act as a cell cycle regulator by acting as a polo kinase kinase: mediates phosphorylation of PLK1 in vitro; however such data require additional evidences in vivo.

Note: This product is for in vitro research use only