

STE A3 Conjugated Antibody

Catalog No: #C33932



Package Size: #C33932-AF350 100ul #C33932-AF405 100ul #C33932-AF488 100ul
 #C33932-AF555 100ul #C33932-AF594 100ul #C33932-AF647 100ul
 #C33932-AF680 100ul #C33932-AF750 100ul #C33932-Biotin 100ul

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Description

Product Name	STE A3 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total STE A3 protein.
Immunogen Description	Synthesized peptide derived from internal of human STE A3.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Metalloreductase STEAP3;EC 1.16.1.-;Six-transmembrane epithelial antigen of prostate 3;Tumor suppressor-activated pathway protein 6;hTSAP6
Accession No.	Swiss-Prot#:Q658P3NCBI Gene ID:55240
Uniprot	Q658P3
GeneID	55240;
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	54
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

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

Product Description

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

Background

Endosomal ferrireductase required for efficient transferrin-dependent iron uptake in erythroid cells. Participates in erythroid iron homeostasis by reducing Fe³⁺ to Fe²⁺. Can also reduce of Cu²⁺ to Cu¹⁺, suggesting that it participates in copper homeostasis. Uses NADP⁺ as acceptor. May play a role downstream of p53/TP53 to interface apoptosis and cell cycle progression. Indirectly involved in exosome secretion by facilitating the secretion of proteins such as TCTP.

Note: This product is for in vitro research use only