PEK/PERK (Phospho-Thr982) Conjugated Antibody

Catalog No: #C11751

Package Size: #C11751-AF350 100ul #C11751-AF405 100ul #C11751-AF488 100ul #C11751-AF555 100ul #C11751-AF594 100ul #C11751-AF647 100ul #C11751-AF680 100ul #C11751-AF750 100ul #C11751-Biotin 100ul

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Description

Product Name	PEK/PERK (Phospho-Thr982) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of PEK/PERK only when phosphorylated at threonine 982.
Immunogen Description	Peptide sequence around phosphorylation site of threonine 982(R-H-T(p)-G-Q) derived from Human PEK/PERK.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	E2AK3; PERK;PEK;EIF2AK3
Accession No.	Swiss-Prot#:Q9NZJ5NCBI Gene ID:9451NCBI mRNA#:NM_004836.5. NCBI Protein#:NP_004827.4.
Uniprot	Q9NZJ5
GeneID	9451;
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	125
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

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

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Background

Phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2), leading to its inactivation and thus to a rapid reduction of translational initiation and repression of global protein synthesis. Serves as a critical effector of unfolded protein response (UPR)-induced G1 growth arrest due to the loss of cyclin-D1 (CCND1)

Note: This product is for in vitro research use only