

MDM2 (Phospho-Ser186/Ser188) Conjugated Antibody

Catalog No: #C11702

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Package Size: #C11702-AF350 100ul #C11702-AF405 100ul #C11702-AF488 100ul

#C11702-AF555 100ul #C11702-AF594 100ul #C11702-AF647 100ul

#C11702-AF680 100ul #C11702-AF750 100ul #C11702-Biotin 100ul

Description

Product Name	MDM2 (Phospho-Ser186/Ser188) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of MDM2 only when phosphorylated at serine 186 and serine 188.
Immunogen Description	Peptide sequence around phosphorylation site of Ser186/Ser188(H-K-S(p)-D-S(p)-I-S) derived from Human MDM2.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Oncoprotein Mdm2;p53-binding protein Mdm2;Ubiquitin-protein ligase E3 Mdm2
Accession No.	Swiss-Prot#:Q00987NCBI Gene ID:4193NCBI mRNA#:NM_001145339.2. NCBI Protein#:NP_001138811.1.
Uniprot	Q00987
GeneID	4193;
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	55
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 chromatography using non-phosphopeptide.

Background

This gene is a target gene of the transcription factor tumor protein p53. The encoded protein is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53, as part of an autoregulatory negative feedback loop. Overexpression of this gene can result in excessive inactivation of tumor protein p53, diminishing its tumor suppressor function. This protein has E3 ubiquitin ligase activity, which targets tumor protein p53 for proteasomal degradation. This protein also affects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, including retinoblastoma 1 and ribosomal protein L5. More than 40 different alternatively spliced transcript variants have been isolated from both tumor and normal tissues

Note: This product is for in vitro research use only