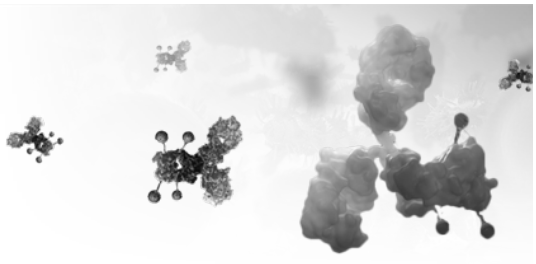

Anti-USP5 monoclonal antibody, clone 2B9 (DCABH-827)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to USP5
Antigen Description	Cleaves linear and branched multiubiquitin polymers with a marked preference for branched polymers. Involved in unanchored Lys-48-linked polyubiquitin disassembly. Binds linear and Lys-63-linked polyubiquitin with a lower affinity. Knock-down of USP5 causes the accumulation of p53/TP53 and an increase in p53/TP53 transcriptional activity because the unanchored polyubiquitin that accumulates is able to compete with ubiquitinated p53/TP53 but not with MDM2 for proteasomal recognition.
Immunogen	Recombinant full length Human USP5 protein produced in HEK293T cells (NP_003472).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2B9
Purification	Purified from mouse ascites fluids by affinity chromatography.
Conjugate	Unconjugated
Applications	WB, IHC-P
Positive Control	Human Kidney and prostate tissue. HEK293T cell lysate transfected with pCMV6-ENTRY USP5 cDNA
Format	Liquid
Size	100 µl

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Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 1% BSA, 50% Glycerol
Preservative	0.02% Sodium Azide
Storage	store at -20°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	USP5 ubiquitin specific peptidase 5 (isopeptidase T) [Homo sapiens]
Official Symbol	USP5
Synonyms	USP5; ubiquitin specific peptidase 5 (isopeptidase T); ubiquitin specific protease 5 (isopeptidase T); ubiquitin carboxyl-terminal hydrolase 5; IsoT; isopeptidase T; ubiquitin isopeptidase T; ubiquitin thioesterase 5; deubiquitinating enzyme 5; ubiquitin
Entrez Gene ID	8078
Protein Refseq	NP_001092006
UniProt ID	P45974
Chromosome Location	12p13
Function	cysteine-type endopeptidase activity; metal ion binding; omega peptidase activity; peptidase activity; protein binding; ubiquitin thiolesterase activity; zinc ion binding;

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