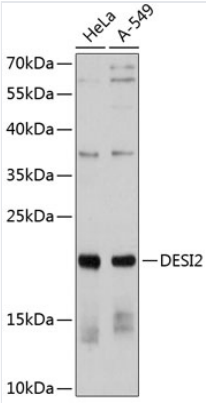
DESI2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DESI2, Polyclonal Antibody
Full Product Name	DESI2 Polyclonal Antibody
Product Gene Name	anti-DESI2 antibody
Product Synonym Names	DESI2; C1orf121; CGI-146; DESI; DESI1; DeSI-2; FAM152A; PNAS-4; PPPDE1; desumoylating isopeptidase 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 50% glycerol, pH7.4
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	17,808 Da
OMIM	614638
3D Structure	ModBase 3D Structure for Q9BSY9
Immunogen	Recombinant fusion protein of human DESI2 (NP_057160.2).
Conjugation	Unconjugated
Product Categories/Family for anti-DESI2 antibody	Total protein Ab
Applications Tested/Suitable for anti-DESI2 antibody	Western Blot (WB)
Application Notes for anti-DESI2 antibody	WB: 1:500-1:2000
Related Product Information for anti-DESI2 antibody	MBS9431499 is an antibody targeting DESI2. Also known as DESI2 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-DESI2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-DESI2 antibody
Western blot analysis of extracts of various cell lines, using DESI2 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DESI2. It may not necessarily be applicable to this product.

NCBI GI #	38708309
NCBI GeneID	51029
NCBI Accession #	NP_057160.2
UniProt Primary Accession #	Q9BSY9
UniProt Secondary Accession #	Q5VVC6; Q9NYS2; Q9Y3E4; B1APK6
UniProt Related Accession #	Q9BSY9
GenBank Nucleotide #	NM_016076.4
NCBI Official Full Name	desumoylating isopeptidase 2 isoform 1
NCBI Official Synonym Full Names	desumoylating isopeptidase 2
NCBI Official Symbol	DESI2
NCBI Official Synonym Symbols	DESI; DESI1; DeSI-2; PNAS-4; PPPDE1; CGI-146; FAM152A; C1orf121
UniProt Protein Name	Desumoylating isopeptidase 2
UniProt Synonym Protein Names	PPPDE peptidase domain-containing protein 1; Protein FAM152A
Protein Family	Desumoylating isopeptidase
UniProt Gene Name	DESI2
UniProt Synonym Gene Names	C1orf121; FAM152A; PPPDE1; DeSI-2
UniProt Entry Name	DESI2_HUMAN
NCBI Protein Information	desumoylating isopeptidase 2; desumoylating isopeptidase 1; PPPDE peptidase domain-containing protein 1; family with sequence similarity 152, member A

UniProt Comments for DESI2	PPPDE1: Protease which may deconjugate SUMO from some substrate proteins. Belongs to the DeSI family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.4.-.- Chromosomal Location of Human Ortholog: 1q44 Cellular Component: cytoplasm Molecular Function: peptidase activity Biological Process: proteolysis
Research Articles on DESI2	**1.** hPNAS-4 inhibits proliferation of ovarian cancer cells by inducing S phase arrest and apoptosis via activation of Cdc25A-Cdk2-Cyclin E/Cyclin A axis and mitochondrial dysfunction-mediated caspase-dependent and -independent apoptotic pathways.
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