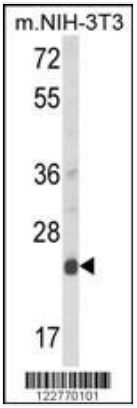
DERL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

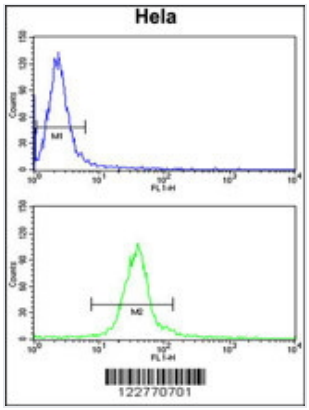
Product Name	DERL1, Polyclonal Antibody
Full Product Name	DERL1, CT (Degradation In Endoplasmic Reticulum Protein 1, DERtrin-1, Der1-like Protein 1, Derlin-1, DER1, UNQ243/PRO276) (Azide free) (HRP)
Product Gene Name	anti-DERL1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human DERL1. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	28,801 Da
Chromosome Location	Chromosome: 8; NC_000008.10 (124025404..124054663, complement). Location: 8q24.13
OMIM	608813. gene.
3D Structure	ModBase 3D Structure for Q9BUN8
Immunogen	Synthetic peptide selected from the C-term region of human DERL1 (KLH).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-DERL1 antibody	Antibodies; Membrane Proteins
Applications Tested/Suitable for anti-DERL1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-DERL1 antibody	WB: 1:100-1:500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-DERL1 antibody	MBS6472255 is an antibody targeting DERL1. Also known as DERL1, CT (Degradation In Endoplasmic Reticulum Protein 1, DERtrin-1, Der1-like Protein 1, Derlin-1, DER1, UNQ243/PRO276) (Azide free) (HRP). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-DERL1 antibody	1. Oda Y., et.al., J. Cell Biol. 172:383-393(2006). 2. Ye Y., et.al., Proc. Natl. Acad. Sci. USA 102:14132-14138(2005).
Other Notes	Small volumes of anti-DERL1 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-DERL1 antibody
Western blot analysis of DERL1 Antibody (C-term) in mouse NIH-3T3 cell line lysates (35ug/lane). DERL1 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-DERL1 antibody
Formalin-fixed and paraffin-embedded human brain tissue reacted with DERL1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-DERL1 antibody
DERL1 Antibody (C-term) flow cytometry analysis of Hela cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DERL1. It may not necessarily be applicable to this product.

NCBI GI #	13236516
NCBI GeneID	79139
NCBI Accession #	NP_077271.1
UniProt Primary Accession #	Q9BUN8
UniProt Secondary Accession #	B3KW41; E9PH19
UniProt Related Accession #	Q9BUN8
GenBank Nucleotide #	NM_024295.5
NCBI Official Full Name	derlin-1 isoform a
NCBI Official Synonym Full Names	derlin 1
NCBI Official Symbol	DERL1
NCBI Official Synonym Symbols	DER1; DER-1
UniProt Protein Name	Derlin-1
UniProt Synonym Protein Names	Der1-like protein 1; Degradation in endoplasmic reticulum protein 1

Protein Family	Probable derlin
UniProt Gene Name	DERL1
UniProt Synonym Gene Names	DER1
UniProt Entry Name	DERL1_HUMAN
NCBI Protein Information	derlin-1; DERtrin-1; Der1-like domain family, member 1; degradation in endoplasmic reticulum protein 1
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