

DERL2 Polyclonal Antibody

Catalog No: YN3022

Reactivity: Human; Mouse

Applications: WB;ELISA

Target: DERL2

Fields: >>Protein processing in endoplasmic reticulum

Gene Name: DERL2 DER2 FLANA CGI-101 SBBI53

Protein Name: Derlin-2 (Degradation in endoplasmic reticulum protein 2) (DERtrin-2) (Der1-like

protein 2) (F-LAN-1) (F-LANa)

Human Gene Id: 51009

Human Swiss Prot Q9GZP9

No:

Mouse Swiss Prot

No:

Immunogen: Synthesized peptide derived from part region of human protein

Specificity: DERL2 Polyclonal Antibody detects endogenous levels of protein.

Formulation : Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000 ELISA 1:5000-20000

Q8BNI4

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

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Observed Band: 26kD

Background:

derlin 2(DERL2) Homo sapiens Proteins that are unfolded or misfolded in the endoplasmic reticulum (ER) must be refolded or degraded to maintain the homeostasis of the ER. DERL2 is involved in the degradation of misfolded glycoproteins in the ER (Oda et al., 2006 [PubMed 16449189]).[supplied by OMIM, Mar 2008],

Function:

function:Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded lumenal glycoproteins, but not that of misfolded nonglycoproteins. May act by forming a channel that allows the retrotranslocation of misfolded glycoproteins into the cytosol where they are ubiquitinated and degraded by the proteasome. May mediate the interaction between VCP and the degradation substrate. In contrast to DERL1, it is not involved in the degradation of MHC class I heavy chains following infection by cytomegaloviruses. May play a role in cell proliferation.,induction:Up-regulated in response to ER stress via the ERN1-XBP1 pathway of the unfolded protein response (UPR).,similarity:Belongs to the derlin family.,subunit:Forms homo- and heterooligomers with DERL3 and, to a lesser extent, with DERL1. Interacts with SELS, VCP and EDEM1. Mediates association between VCP and EDEM1, as

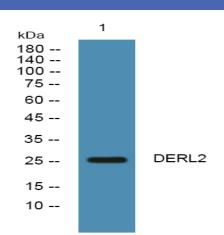
Subcellular Location:

Endoplasmic reticulum membrane; Multi-pass membrane protein.

Expression:

Ubiquitous. Overexpressed in various hepatocarcinomas.

Products Images



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night