

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 SBB153
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 No :	Q9GZP9
Mouse Swiss Prot No :	Q8BNI4
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
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)

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 luminal 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

