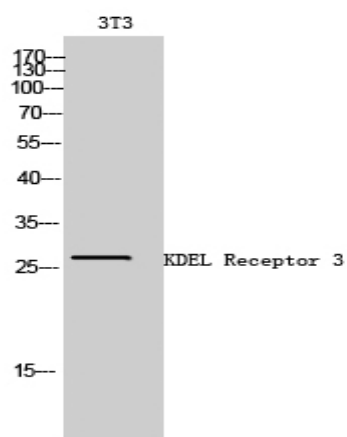


KDEL Receptor 3 Polyclonal Antibody

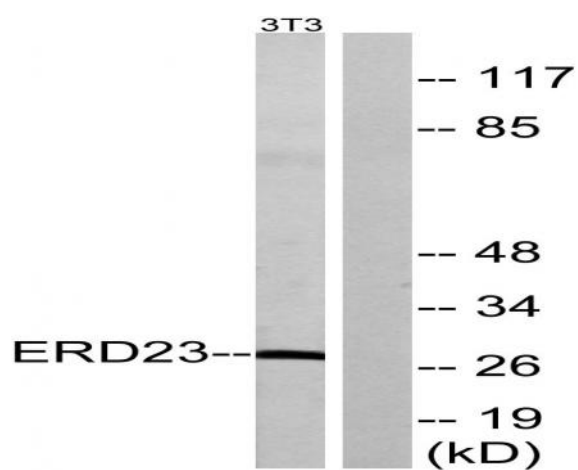
Catalog No :	YT2463
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	KDEL Receptor 3
Fields :	>>Vibrio cholerae infection
Gene Name :	KDELR3
Protein Name :	ER lumen protein retaining receptor 3
Human Gene Id :	11015
Human Swiss Prot No :	O43731
Mouse Gene Id :	105785
Mouse Swiss Prot No :	Q8R1L4
Immunogen :	The antiserum was produced against synthesized peptide derived from human ERD23. AA range:61-110
Specificity :	KDEL Receptor 3 Polyclonal Antibody detects endogenous levels of KDEL Receptor 3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
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 :	28kD
Cell Pathway :	Vibrio cholerae infection;
Background :	<p>KDEL endoplasmic reticulum protein retention receptor 3(KDEL3) Homo sapiens This gene encodes a member of the KDEL endoplasmic reticulum protein retention receptor family. Retention of resident soluble proteins in the lumen of the endoplasmic reticulum (ER) is achieved in both yeast and animal cells by their continual retrieval from the cis-Golgi, or a pre-Golgi compartment. Sorting of these proteins is dependent on a C-terminal tetrapeptide signal, usually lys-asp-glu-leu (KDEL) in animal cells, and his-asp-glu-leu (HDEL) in <i>S. cerevisiae</i>. This process is mediated by a receptor that recognizes, and binds the tetrapeptide-containing protein, and returns it to the ER. In yeast, the sorting receptor encoded by a single gene, ERD2, is a seven-transmembrane protein. Unlike yeast, several human homologs of the ERD2 gene, constituting the KDEL receptor gene family, have been described. KDEL3 was the third member of the family to be identified. Alt</p>
Function :	<p>function:Required for the retention of luminal endoplasmic reticulum proteins. Determines the specificity of the luminal ER protein retention system. Also required for normal vesicular traffic through the Golgi. This receptor recognizes K-D-E-L.,similarity:Belongs to the ERD2 family.,</p>
Subcellular Location :	<p>Endoplasmic reticulum membrane ; Multi-pass membrane protein . Golgi apparatus membrane ; Multi-pass membrane protein . Cytoplasmic vesicle, COPI-coated vesicle membrane ; Multi-pass membrane protein . Localized in the Golgi in the absence of bound proteins with the sequence motif K-D-E-L. Trafficks back to the endoplasmic reticulum together with cargo proteins containing the sequence motif K-D-E-L. .</p>
Expression :	Cervix,Kidney,Stomach,Synovial cell,
Sort :	8877
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western Blot analysis of 3T3 cells using KDEL Receptor 3 Polyclonal Antibody



Western blot analysis of lysates from NIH/3T3 cells, using ERD23 Antibody. The lane on the right is blocked with the synthesized peptide.