ICAM-1 (Phospho Tyr512) Rabbit pAb

CatalogNo: YP0137 Orthogonal Validated

Key Features

Host Species • Rabbit	Reactivity • Human,Mouse,Rat	Applications • WB,ELISA
MW • 57kD (Observed)	Isotype • IgG	

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
ELISA 1:40000
Not yet tested in other applications.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human ICAM-1 around the phosphorylation site of Tyr512. AA range:479-528
Specificity	Phospho-ICAM-1 (Y512) Polyclonal Antibody detects endogenous levels of ICAM-1 protein only when phosphorylated at Y512.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):KKyRL

Target Information

Gene name ICAM1

Protein Name Intercellular adhesion molecule 1

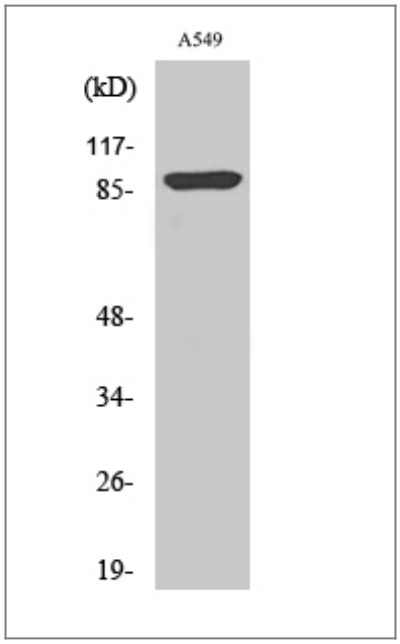
Organism	Gene ID	UniProt ID
Human	3383;	P05362;
Mouse		P13597;

Cellular Localization Membrane; Single-pass type I membrane protein.

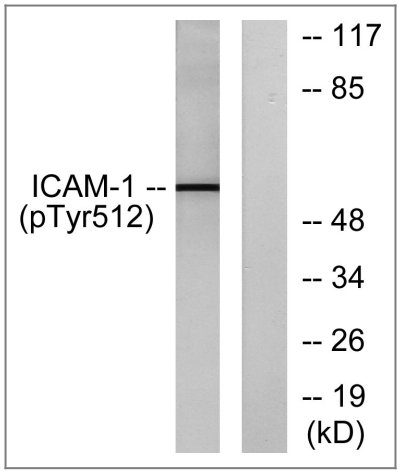
Tissue specificity Blood ,Kidney ,Liver ,Melanoma ,Plasma ,

Function Function:ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2) . During leukocyte trans-endothelial migration , ICAM1 engagement promotes the assembly of endothelial apical cups through SGEF and RHOG activation. In case of rhinovirus infection acts as a cellular receptor for the virus. ,online information:ICAM-1 ,online information:Icosahedral capsid structure ,online information:Intercellular adhesion molecule entry ,polymorphism:Homozygotes with ICAM1-Kalifi Met-56 seem to have an increased risk for cerebral malaria. ,PTM:Monoubiquitinated , which is promoted by MARCH9 and leads to endocytosis. ,similarity:Belongs to the immunoglobulin superfamily. ICAM family. ,similarity:Contains 5 Ig-like C2-type (immunoglobulin-like) domains. ,subunit:Homodimer (Probable) . Interacts with human herpesvirus 8 MIR2 protein (Probable) . Interacts with MUC1 and promotes cell aggregation in epithelial cells. Interacts with SGEF. Binds to coxsackievirus A21 capsid proteins and acts as a receptor for this virus. ,

Validation Data



Western Blot analysis of various cells using Phospho-ICAM-1 (Y512) Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from HeLa cells treated with TNF-alpha 20ng/ml 5', using ICAM-1 (Phospho-Tyr512) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
ICAM-1 (Phospho Tyr512) Rabbit pAb

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