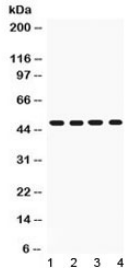
CD95 Antibody / Fas (R30285)

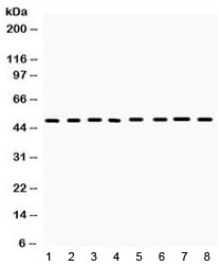
Catalog No.	Formulation	Size
R30285	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

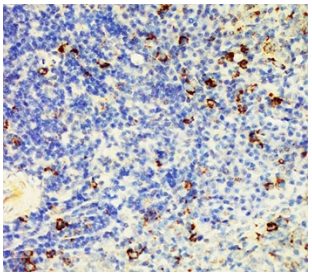
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q63199
Localization	Cytoplasmic, membranous
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml IHC (Frozen) : 0.5-1ug/ml
Limitations	This CD95 antibody is available for research use only.



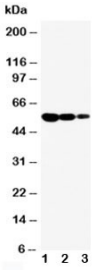
Western blot testing of rat 1) liver, 2) spleen, 3) brain and 4) heart lysate with CD95 antibody at 1ug/ml. Predicted molecular weight: 35-38 kDa (unmodified), 40-55 kDa (glycosylated).



Western blot testing of mouse 1) liver, 2) spleen, 3) brain, 4) kidney, 5) thymus, 6) lung, 7) Hepa 1-6 and 8) NIH 3T3 lysate with CD95 antibody. Predicted molecular weight: 35-38 kDa (unmodified), 40-55 kDa (glycosylated).



IHC-P: CD95 antibody testing of rat spleen tissue lysate. Required HIER: boil the paraffin sections in 10mM citrate buffer, pH6, for 20 mins.



Western blot testing of CD95 antibody and Lane 1: recombinant mouse protein 10ng; 2: 5ng; 3: 2.5ng

Description

Fas (also known as surface antigen APO1 or CD95) is a member of the tumour-necrosis receptor factor family of death receptors, can induce apoptosis or, conversely, can deliver growth stimulatory signals. It acts as an inducer of both neurite growth in vitro and accelerated recovery after nerve injury in vivo. Fas antigen is expressed and functional on papillary thyroid cancer cells and this may have potential therapeutic significance. The FAS antigen shows structural homology with a number of cell surface receptors, including tumor necrosis factor(TNF) receptors and the low-affinity nerve growth factor receptor(NGFR) and is mapped to 10q24.1. And the FAS and FASL system plays a key role in regulating apoptotic cell death and corruption of this signalling pathway has been shown to participate in immune escape and tumorigenesis.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD95 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of rat CD95 (YTDRKHYSDKCRRCAFCDEGHGL) was used as the immunogen for this CD95 antibody.

Storage

After reconstitution, the CD95 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.