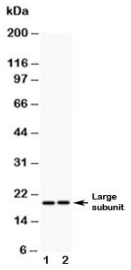
Caspase-8 Antibody (large subunit) (R30825)

Catalog No.	Formulation	Size
R30825	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
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	Q14790
Applications	Western blot: 0.5-1ug/ml (1) IHC (FFPE): 0.5-1ug/ml
Limitations	This Caspase-8 antibody is available for research use only.



Western blot testing of Caspase-8 antibody (0.5ug/ml) and Lane 1: human A549; 2: (h) HeLa lysate. Predicted molecular weight: ~55 kDa (pro), ~40 kDa (large + small subunit), ~20 kDa (large subunit).

Description

The human CASP8 gene, whose product is also known as Caspase-8 and FLICE, encodes an interleukin-1beta converting enzyme (ICE)-related cysteine protease that is activated by the engagement of several different death receptors. It is immediately recruited to the Fas receptor once it oligomerizes, and its protease activity is crucial for the apoptotic response generated by the resulting death-inducing signaling complex (DISC). This gene contains at least 11 exons spanning approximately 30kb on human chromosome band 2q33-34. This region of human chromosome 2 was previously reported as the location of the CASP10 gene, whose product is closely related to CASP8. Caspase-8

deficiency in humans is compatible with normal development and shows that the enzyme has a postnatal role in immune activation of naive lymphocytes.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Caspase-8 antibody may be required due to differences in protocols and secondary/substrate sensitivity.
1. Longer exposure shows an ~30KD band (large + small subunit) developing, as well as the ~20KD (large subunit) band.

Immunogen

Amino acids 257-277 (NNHNFAKAREKVPKLHSIRDR-human) was used as the immunogen for this Caspase-8 antibody. This sequence is from the large subunit.

Storage

After reconstitution, the Caspase-8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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