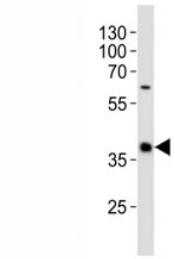
CD40 Antibody (F45979)

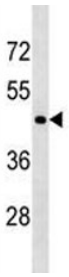
Catalog No.	Formulation	Size
F45979-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F45979-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Pig
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P25942
Localization	Cytoplasmic, cell membrane
Applications	Western blot: 1:1000
Limitations	This CD40 antibody is available for research use only.



Western blot analysis of lysate from human spleen tissue lysate using CD40 antibody diluted at 1:1000. Predicted molecular weight is 30-45 kDa depending on glycosylation level



CD40 antibody western blot analysis in 293 lysate. Predicted molecular weight is 30-45 kDa depending on glycosylation level

Description

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been found to be essential in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Application Notes

Titration of the CD40 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 247-276 from the human protein was used as the immunogen for this CD40 antibody.

Storage

Aliquot the CD40 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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