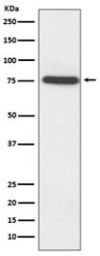
TAK1 Antibody / MAP3K7 [clone ACHF-13] (RQ4734)

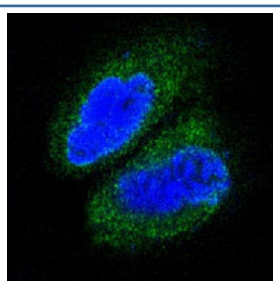
Catalog No.	Formulation	Size
RQ4734	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	ACHF-13
Purity	Affinity purified
UniProt	O43318
Applications	Western Blot : 1:500-1:2000 Immunofluorescence/Immunocytochemistry : 1:100-1:500
Limitations	This TAK1 antibody is available for research use only.



Western blot testing of human HeLa cell lysate with TAK1 antibody. Predicted molecular weight: 64-69 kDa, routinely observed at 78-82 kDa.



IF/ICC staining of human A431 cells with TAK1 antibody (green) and DAPI nuclear stain (blue).

Description

The protein encoded by the MAP3K7 gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses.

Application Notes

Optimal dilution of the TAK1 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human MAP3K7/TAK1 was used as the immunogen for the TAK1 antibody.

Storage

Store the TAK1 antibody at -20oC.