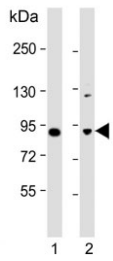
MAPK8IP1 Antibody / JIP1 (F55015)

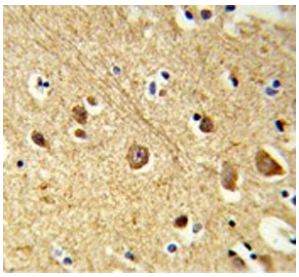
Catalog No.	Formulation	Size
F55015-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55015-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

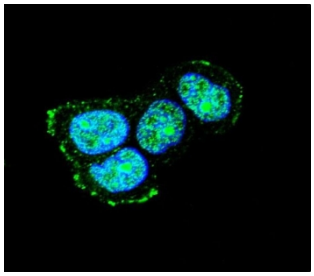
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q9UQF2
Localization	Cytoplasmic, nuclear
Applications	Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:50-1:100 Western Blot : 1:500-1:1000
Limitations	This MAPK8IP1 antibody is available for research use only.



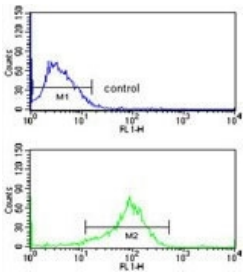
Western blot testing of human 1) brain and 2) MCF7 cell lysate with MAPK8IP1 antibody. Expected molecular weight: 78-110 kDa.



IHC testing of FFPE human brain tissue with MAPK8IP1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human MCF7 cells with MAPK8IP1 antibody (green) and DAPI nuclear stain (blue).



Flow cytometry testing of human MCF7 cells with MAPK8IP1 antibody; Blue=isotype control, Green= MAPK8IP1 antibody.

Description

JIP1 is a regulator of the pancreatic beta-cell function. It is highly similar to JIP-1, a mouse protein known to be a regulator of c-Jun amino-terminal kinase (Mapk8). This protein has been shown to prevent MAPK8 mediated activation of transcription factors, and decrease IL-1 beta and MAP kinase kinase 1 (MEKK1) induced apoptosis in pancreatic beta cells. This protein also functions as a DNA-binding transactivator of the glucose transporter GLUT2.

Application Notes

The stated application concentrations are suggested starting points. Titration of the MAPK8IP1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 470-498 from the human protein was used as the immunogen for the MAPK8IP1 antibody.

Storage

Aliquot the MAPK8IP1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.