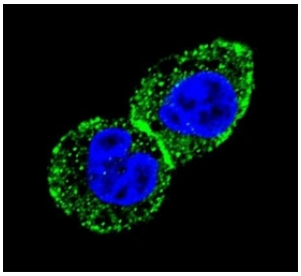
IDH Antibody (F50421)

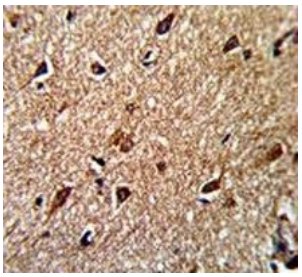
Catalog No.	Formulation	Size
F50421-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50421-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

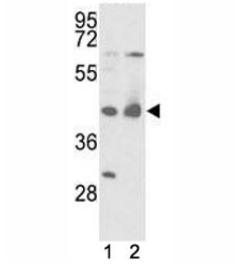
Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Bovine, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O75874
Localization	Cytoplasmic, nuclear
Applications	Immunofluorescence : 1:10-1:50 Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50
Limitations	This IDH antibody is available for research use only.



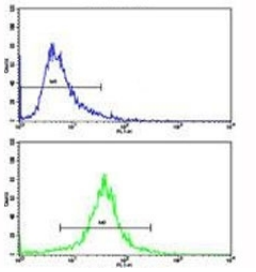
Confocal immunofluorescent analysis of IDH antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green) and DAPI nuclear counterstain (blue).



IHC analysis of FFPE human brain stained with IDH antibody



Western blot analysis of IDH antibody and mouse liver tissue and 293 lysate. Predicted molecular weight ~46 kDa.



Flow cytometric analysis of 293 cells using IDH antibody (bottom histogram) compared to a negative control (top histogram).

Description

The protein is the NADP(+)-dependent Isocitrate Dehydrogenase found in the cytoplasm and peroxisomes. This protein contains the PTS-1 peroxisomal targeting signal sequence. The presence of this enzyme in peroxisomes suggests roles in the regeneration of NADPH for intraperoxisomal reductions. [Wiki]

Application Notes

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

Immunogen

A portion of amino acids 63-90 from the human protein was used as the immunogen for this IDH antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com