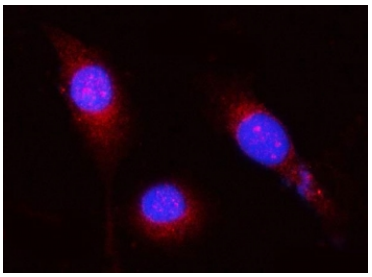
OPLAH Antibody / 5-oxo-L-prolinase / 5-OPase (RQ7944)

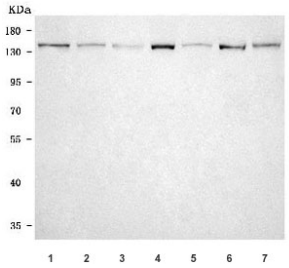
Catalog No.	Formulation	Size
RQ7944	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

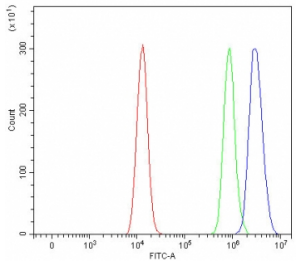
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O14841
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This OPLAH antibody is available for research use only.



Immunofluorescent staining of FFPE human PC-3 cells with OPLAH antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HepG2, 2) human T-47D, 3) monkey COS-7, 4) rat liver, 5) rat brain, 6) mouse liver and 7) mouse brain tissue lysate with OPLAH antibody. Predicted molecular weight ~137 kDa.



Flow cytometry testing of human HEL cells with OPLAH antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= OPLAH antibody.

Description

The protein encoded by this gene acts as a homodimer, using ATP hydrolysis to catalyze the conversion of 5-oxo-L-proline to L-glutamate. Defects in this gene are a cause of 5-oxoprolinase deficiency (OPLAHD).

Application Notes

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

Immunogen

E. coli-derived recombinant human protein (amino acids H788-E1072) was used as the immunogen for the OPLAH antibody.

Storage

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

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