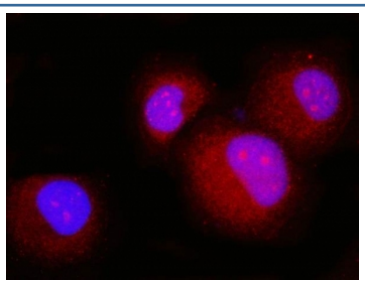
Prostaglandin E synthase 3 Antibody / PTGES3 [clone 9D3D1] (RQ7027)

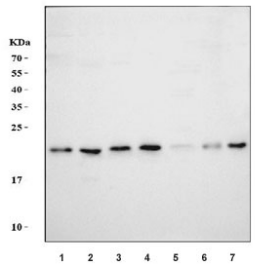
Catalog No.	Formulation	Size
RQ7027	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

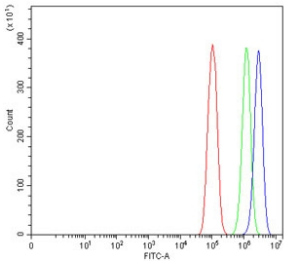
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	9D3D1
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q15185
Localization	Cytoplasmic, nuclear
Applications	Western blot: 0.5-1 ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This Prostaglandin E synthase 3 antibody is available for research use only.



Immunofluorescent staining of FFPE human T-47D cells with Prostaglandin E synthase 3 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human Jurkat, 3) human COLO-320, 4) human K562, 5) rat liver, 6) rat RH35 and 7) mouse HEPA1-6 cell lysate with Prostaglandin E synthase 3 antibody. Predicted molecular weight ~23 kDa.



Flow cytometry testing of human PC-3 cells with Prostaglandin E synthase 3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Prostaglandin E synthase 3 antibody.

Description

Prostaglandin E synthase 3 (cytosolic) is an enzyme that in humans is encoded by the PTGES3 gene. It is mapped to 12q13.3; 12. This gene encodes an enzyme that converts prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2). This protein functions as a co-chaperone with heat shock protein 90 (HSP90), localizing to response elements in DNA and disrupting transcriptional activation complexes. Alternative splicing results in multiple transcript variants. There are multiple pseudogenes of this gene on several different chromosomes.

Application Notes

Optimal dilution of the Prostaglandin E synthase 3 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-K79) was used as the immunogen for the Prostaglandin E synthase 3 antibody.

Storage

After reconstitution, the Prostaglandin E synthase 3 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
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