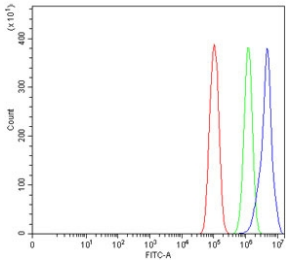
Yin and yang 1 Antibody / YY1 [clone 6H3E1] (RQ7049)

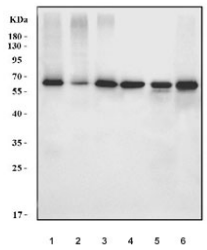
Catalog No.	Formulation	Size
RQ7049	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

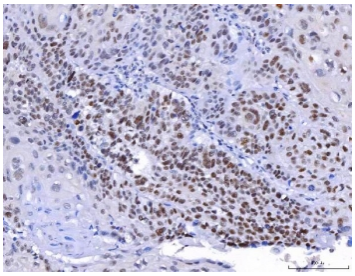
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	6H3E1
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P25490
Localization	Nuclear
Applications	Western blot: 0.5-1 ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This Yin and yang 1 antibody is available for research use only.



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



Western blot testing of 1) human Caco-2, 2) human SW620, 3) human MDA-MB-453, 4) human PC-3, 5) rat thymus and 6) mouse thymus tissue lysate with Yin and yang 1 antibody. Predicted molecular weight ~45 kDa but commonly observed at 45~65 kDa.



IHC staining of FFPE human laryngeal squamous cell carcinoma tissue with Yin and yang 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

YY1 (Yin Yang 1) is a transcriptional repressor protein in humans that is encoded by the YY1 gene. YY1 is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc finger proteins. The protein is involved in repressing and activating a diverse number of promoters. YY1 may direct histone deacetylases and histone acetyltransferases to a promoter in order to activate or repress the promoter, thus implicating histone modification in the function of YY1.

Application Notes

Optimal dilution of the Yin and yang 1 antibody should be determined by the researcher.

Immunogen

Amino acids EQKQVQIKTLEGEFSVTMWSSDEKKDIDHETVVEEQ were used as the immunogen for the Yin and yang 1 antibody.

Storage

After reconstitution, the Yin and yang 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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