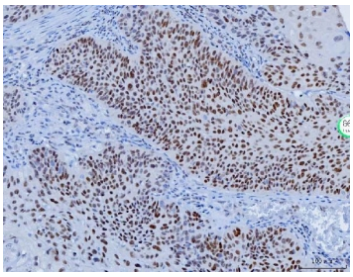
YY1 Antibody / Yin and Yang 1 [clone 2C10F9] (RQ7050)

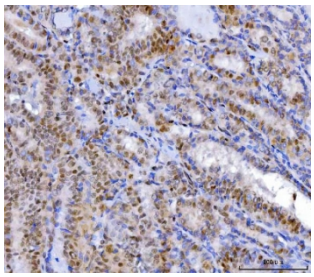
Catalog No.	Formulation	Size
RQ7050	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

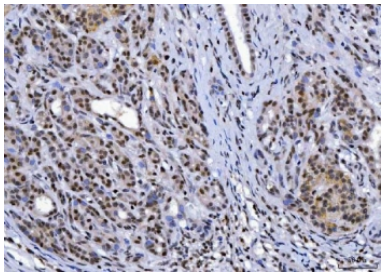
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	2C10F9
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P25490
Localization	Nuclear
Applications	Western blot: 0.5-1 ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This YY1 antibody is available for research use only.



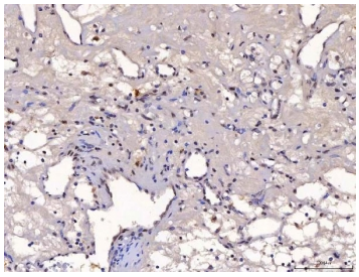
IHC staining of FFPE human laryngeal squamous cell carcinoma tissue with YY1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



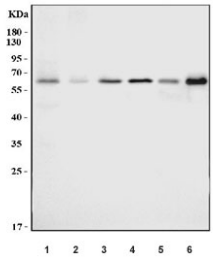
IHC staining of FFPE human thyroid cancer tissue with YY1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



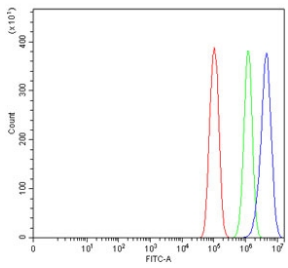
IHC staining of FFPE human pancreatic ductal adenocarcinoma tissue with YY1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human renal clear cell carcinoma tissue with YY1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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 YY11 antibody. Predicted molecular weight ~45 kDa but commonly observed at 45~65 kDa.



Flow cytometry testing of human PC-3 cells with YY1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= YY1 antibody.

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 YY1 antibody should be determined by the researcher.

Immunogen

Amino acids EQKQVQIKTLEGEFSVTMWSSDEKKDIDHETVVEEQ were used as the immunogen for the YY1 antibody.

Storage

After reconstitution, the YY1 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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