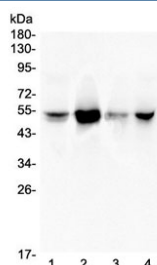


RbAp48 Antibody / RBBP4 / NURF55 [clone 9F3] (RQ4496)

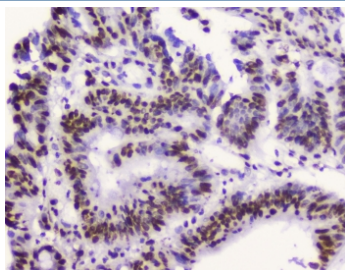
Catalog No.	Formulation	Size
RQ4496	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

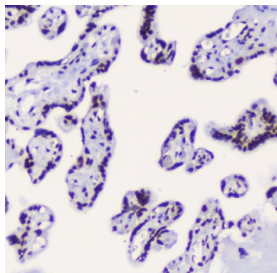
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	9F3
Purity	Protein G affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q09028
Localization	Nucleus
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This RbAp48 antibody is available for research use only.



Western blot testing of human 1) A549, 2) Jurkat, 3) HeLa and 4) PANC-1 lysate with RbAp48 antibody at 0.5ug/ml. Expected molecular weight: 48~55 kDa.



IHC testing of FFPE human intestinal cancer with RbAp48 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human placenta with RbAp48 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

Description

Histone-binding protein RBBP4 (also known as RbAp48, or NURF55) is a protein that in humans is encoded by the RBBP4 gene. This gene encodes a ubiquitously expressed nuclear protein which belongs to a highly conserved subfamily of WD-repeat proteins. It is present in protein complexes involved in histone acetylation and chromatin assembly. And it is part of the Mi-2 complex which has been implicated in chromatin remodeling and transcriptional repression associated with histone deacetylation. This encoded protein is also part of co-repressor complexes, which is an integral component of transcriptional silencing. It is found among several cellular proteins that bind directly to retinoblastoma protein to regulate cell proliferation. This protein also seems to be involved in transcriptional repression of E2F-responsive genes. Three transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the RbAp48 antibody should be determined by the researcher.

Immunogen

Amino acids EDNIMQVWQMAENIYNDEDPEGSVDPEGQGS were used as the immunogen for the RbAp48 antibody.

Storage

After reconstitution, the RbAp48 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.