

AKAP13 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant AKAP13.

Catalog # AT1084a

Specification

AKAP13 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, E
Primary Accession	Q12802
Other Accession	NM_006738
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	307550

AKAP13 Antibody (monoclonal) (M01) - Additional Information

Gene ID 11214

Other Names

A-kinase anchor protein 13, AKAP-13, AKAP-Lbc, Breast cancer nuclear receptor-binding auxiliary protein, Guanine nucleotide exchange factor Lbc, Human thyroid-anchoring protein 31, Lymphoid blast crisis oncogene, LBC oncogene, Non-oncogenic Rho GTPase-specific GTP exchange factor, Protein kinase A-anchoring protein 13, PRKA13, p47, AKAP13, BRX, HT31, LBC

Target/Specificity

AKAP13 (NP_006729, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

AKAP13 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

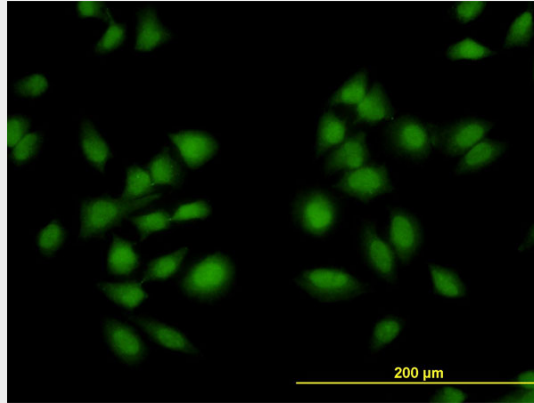
AKAP13 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

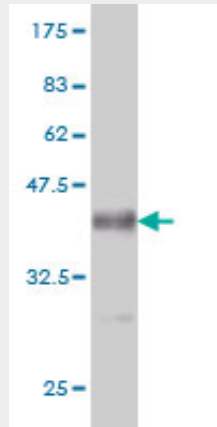
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

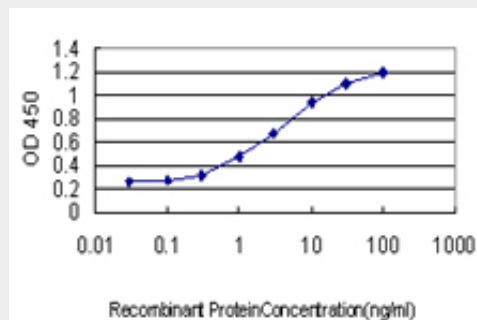
AKAP13 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to AKAP13 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .



Detection limit for recombinant GST tagged AKAP13 is approximately 0.03ng/ml as a capture antibody.

AKAP13 Antibody (monoclonal) (M01) - Background

The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. Alternative splicing of this gene results in at least 3 transcript variants encoding different isoforms containing a dbl oncogene homology (DH) domain and a pleckstrin homology (PH) domain. The DH domain is associated with guanine nucleotide exchange activation for the Rho/Rac family of small GTP binding proteins, resulting in the conversion of the inactive GTPase to the active form capable of transducing signals. The PH domain has multiple functions. Therefore, these isoforms function as scaffolding proteins to coordinate a Rho signaling pathway and, in addition, function as protein kinase A-anchoring proteins.

AKAP13 Antibody (monoclonal) (M01) - References

1.The mRNA and protein expression of A-kinase anchor proteins 13 in human colorectal cancer.Hu JK, Wang L, Li Y, Yang K, Zhang P, Chen XZ, Wang R, Zhou ZG.Clin Exp Med. 2009 Sep 25. [Epub ahead of print]