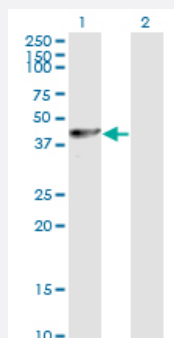


PA2G4 monoclonal antibody (M01), clone 2A5

Catalog # H00005036-M01

Size 100 ug

Applications

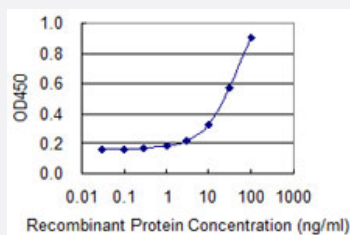


Western Blot (Transfected lysate)

Western Blot analysis of PA2G4 expression in transfected 293T cell line by PA2G4 monoclonal antibody (M01), clone 2A5.

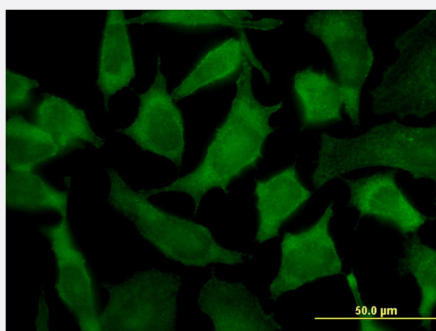
Lane 1: PA2G4 transfected lysate (43.8 kDa).

Lane 2: Non-transfected lysate.



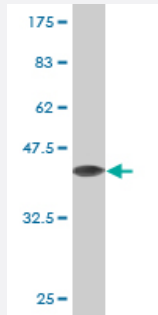
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PA2G4 is 1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PA2G4 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PA2G4.
Immunogen	PA2G4 (AAH01951, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSGEDEQQEQTIAEDLVVTKYKMGGDIANRVLRLSLVEASSSGVSVLSLCEKGDAMIMEETGKIFK KEKEMKKGIAFPTSISVNNVCVCHFSPKSDQDYILKEGDLVKIDL
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PA2G4 expression in transfected 293T cell line by PA2G4 monoclonal antibody (M01), clone 2A5.

Lane 1: PA2G4 transfected lysate(43.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PA2G4 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PA2G4 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — PA2G4

Entrez GeneID [5036](#)

GeneBank Accession# [BC001951](#)

Protein Accession# [AAH01951](#)

Gene Name PA2G4

Gene Alias EBP1, HG4-1, p38-2G4

Gene Description proliferation-associated 2G4, 38kDa

Omim ID [602145](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes an RNA-binding protein that is involved in growth regulation. This protein is present in pre-ribosomal ribonucleoprotein complexes and may be involved in ribosome assembly and the regulation of intermediate and late steps of rRNA processing. This protein can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. This protein is also a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. This protein has been implicated in growth inhibition and the induction of differentiation of human cancer cells. Six pseudogenes, located on chromosomes 3, 6, 9, 18, 20 and X, have been identified. [provided by RefSeq]

Other Designations ErbB-3 binding protein 1|ErbB3-binding protein 1|ErbB3-binding protein Ebp1|cell cycle protein p38-2G4 homolog