

PIK3R4 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant PIK3R4.****Catalog # AT3310a****Specification**

PIK3R4 Antibody (monoclonal) (M02) - Product Information

Application	WB, IHC, IF, E
Primary Accession	Q99570
Other Accession	NM_014602
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	153103

PIK3R4 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 30849**Other Names**

Phosphoinositide 3-kinase regulatory subunit 4, PI3-kinase regulatory subunit 4, PI3-kinase p150 subunit, Phosphoinositide 3-kinase adaptor protein, PIK3R4

Target/Specificity

PIK3R4 (NP_055417, 1259 a.a. ~ 1358 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

E~~N/A

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

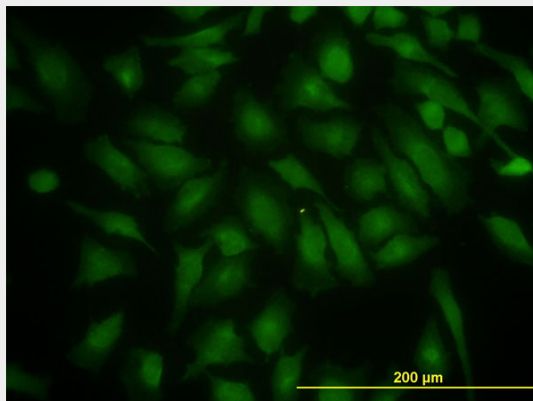
PIK3R4 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

PIK3R4 Antibody (monoclonal) (M02) - Protocols

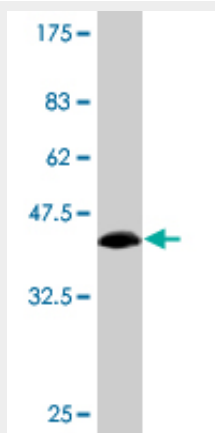
Provided below are standard protocols that you may find useful for product applications.

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

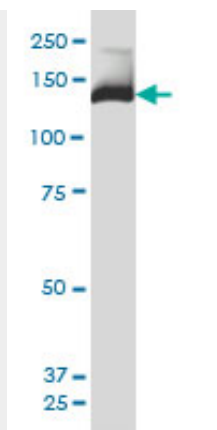
PIK3R4 Antibody (monoclonal) (M02) - Images



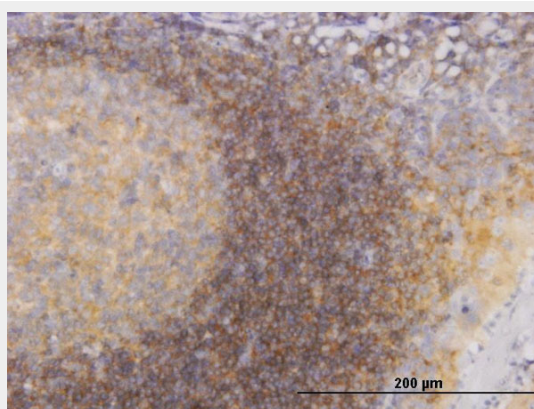
Immunofluorescence of monoclonal antibody to PIK3R4 on HeLa cell. [antibody concentration 10 ug/ml]



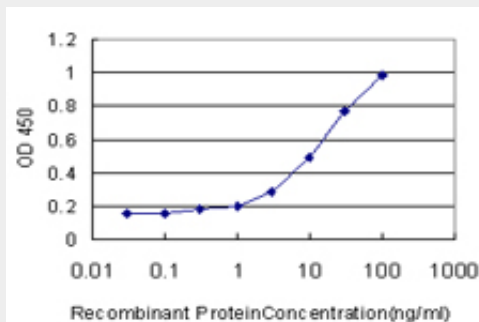
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



PIK3R4 monoclonal antibody (M02), clone 1B5 Western Blot analysis of PIK3R4 expression in HeLa (Cat # AT3310a)



Immunoperoxidase of monoclonal antibody to PIK3R4 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 0.6 ug/ml]



Detection limit for recombinant GST tagged PIK3R4 is approximately 0.3ng/ml as a capture antibody.

PIK3R4 Antibody (monoclonal) (M02) - References

1. Insulin activation of vacuolar protein sorting 34 mediates localized phosphatidylinositol 3-phosphate production at lamellipodia and activation of mTOR/S6K1. Hirsch DS, Shen Y, Dokmanovic M, Yu J, Mohan N, Elzarrad MK, Wu WJ. *Cell Signal*. 2014 Feb 27;26(6):1258-1268. doi: 10.1016/j.cellsig.2014.02.009.
2. Regulation of Mammalian Autophagy by Class II and III PI 3-Kinases through PI3P Synthesis. Devereaux K. *PLoS One*. 2013 Oct 3;8(10):e76405. doi: 10.1371/journal.pone.0076405.