

Mouse PIK3R4 Monoclonal Antibody | anti-PIK3R4 antibody

PIK3R4 (Phosphoinositide-3-Kinase, Regulatory Subunit 4, MGC102700, VPS15, p150) (PE)

CATALOG # AAA26648	HOST Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PIK3R4; Monoclonal Antibody; PIK3R4 (Phosphoinositide-3-Kinase; Regulatory Subunit 4; MGC102700; VPS15; p150) (PE); Phosphoinositide-3-Kinase; p150; anti-PIK3R4 antibody

PRODUCT SPECIFICATIONS

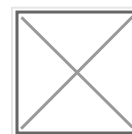
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1B5
Specificity	Recognizes PIK3R4.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable Applications for anti-PIK3R4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	PIK3R4 (NP_055417, 1259aa-1358aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	AGSDMKIRFWDLAYPERSYVVAGSTSSPSVSYRRIIEGTEVVQEIQNKQKVGPSDDTPRRGPESLPVGHHDITDVATFQTTQGFIVTASRDGIVKVWK
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES



Application Data

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



IHC (Immunohistochemistry)

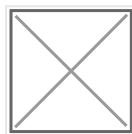
Immunoperoxidase of monoclonal antibody to PIK3R4 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 0.6 ug/ml]

**IHC (Immunohistochemistry)**

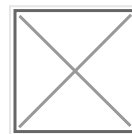
Immunoperoxidase of monoclonal antibody to PIK3R4 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 0.6 ug/ml]

**WB (Western Blot)**

PIK3R4 monoclonal antibody (M02), clone 1B5 Western Blot analysis of PIK3R4 expression in HeLa (Cat # L013V1).

**IF (Immunofluorescence)**

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

**IF (Immunofluorescence)**

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

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3R4 antibody	Mouse monoclonal antibody raised against a partial recombinant PIK3R4.
Product Categories/Family for anti-PIK3R4 antibody	Antibodies ; Protein Kinases
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 WJCell 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 KPLoS One. 2013 Oct 3;8(10):e76405. doi: 10.1371/journal.pone.0076405.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23943912
NCBI GeneID	30849
NCBI Accession #	NP_055417
NCBI GenBank Nucleotide #	NM_014602.2
UniProt Accession #	Q99570 ; Q2TBF4
Molecular Weight	Predicted: 149 kDa Observed: 140 kDa
NCBI Official Full Name	phosphoinositide 3-kinase regulatory subunit 4
NCBI Official Synonym Full Names	phosphoinositide-3-kinase, regulatory subunit 4
NCBI Official Symbol	PIK3R4
NCBI Official Synonym Symbols	p150; VPS15
NCBI Protein Information	phosphoinositide 3-kinase regulatory subunit 4; PI3-kinase p150 subunit; PI3-kinase regulatory subunit 4; phosphoinositide 3-kinase adaptor protein; phosphatidylinositol 3-kinase-associated p150; phosphoinositide-3-kinase, regulatory subunit 4, p150
UniProt Protein Name	Phosphoinositide 3-kinase regulatory subunit 4
UniProt Gene Name	PIK3R4
UniProt Synonym Gene Names	PI3-kinase regulatory subunit 4
UniProt Entry Name	PI3R4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pik3r4-antibody-clone-1b5-immunofluorescence-immunohistochemistry-western-blot-elisa/26648>