



PIK3CB Antibody

CATALOG NUMBER: 27-502



Antibody used in WB on Human Brain at 5 ug/ml.

Specifications

SPECIES REACTIVITY:	Dog, Human, Mouse, Rat
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	PIK3CB antibody can be used for detection of PIK3CB by ELISA at 1:62500. PIK3CB antibody can be used for detection of PIK3CB by western blot at 5 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. XBL-10123 - Fetal Brain Tissue Lysate
PREDICTED MOLECULAR WEIGHT:	123 kDa
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human PIK3CB.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Antibody is purified by protein A chromatography method.
PHYSICAL STATE:	Lyophilized
BUFFER:	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 100 uL of distilled water. Final antibody concentration is 1 mg/mL.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	For short periods of storage (days) store at 4°C. For longer periods of storage, store PIK3CB antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	PIK3CB, PI3K, PIK3C1, P110BETA, PI3KBETA
ACCESSION NO.:	NP_006210
PROTEIN GI NO.:	5453894

OFFICIAL SYMBOL: PIK3CB

GENE ID: 5291

Background

BACKGROUND: Phosphoinositide 3-kinases (PI3Ks) phosphorylate the 3-prime OH position of the inositol ring of inositol lipids. They have been implicated as participants in signaling pathways regulating cell growth by virtue of their activation in response to various mitogenic stimuli. PI3Ks are composed of a 110-kD catalytic subunit, such as PIK3CB, and an 85-kD adaptor subunit (Hu et al., 1993).

REFERENCES: 1) Zhao, J.J., et al., (2005) Proc. Natl. Acad. Sci. U.S.A. 102 (51), 18443-18448.

FOR RESEARCH USE ONLY

December 12, 2016