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Datasheet for ABIN711521

anti-PIK3CA antibody (pTyr317)

3 Images

Overview

Quantity:	100 µL
Target:	PIK3CA
Binding Specificity:	pTyr317
Reactivity:	Human, Mouse, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3CA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PI3KCA around the phosphorylation site of Tyr317
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse
Predicted Reactivity:	Rat
Purification:	Purified by Protein A.

Target Details

Target:	PIK3CA
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Target Details

Alternative Name:	PI3KCA (PIK3CA Products)
Background:	Synonyms: PEPCK, PEPCK2, PEPCK-M, Phosphoenolpyruvate carboxykinase [GTP], mitochondrial, PCK2 Background: Catalyzes the conversion of oxaloacetate (OAA) to phosphoenolpyruvate (PEP), the rate-limiting step in the metabolic pathway that produces glucose from lactate and other precursors derived from the citric acid cycle.
Molecular Weight:	117kDa
Gene ID:	5106
UniProt:	Q16822
Pathways:	PI3K-Akt Signaling , RTK Signaling , TCR Signaling , AMPK Signaling , Interferon-gamma Pathway , TLR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Inositol Metabolic Process , Hepatitis C , CXCR4-mediated Signaling Events , Signaling Events mediated by VEGFR1 and VEGFR2 , Signaling of Hepatocyte Growth Factor Receptor , VEGFR1 Specific Signals , VEGF Signaling

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

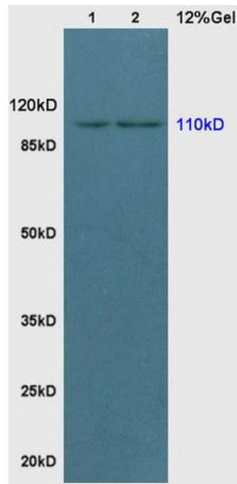
handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

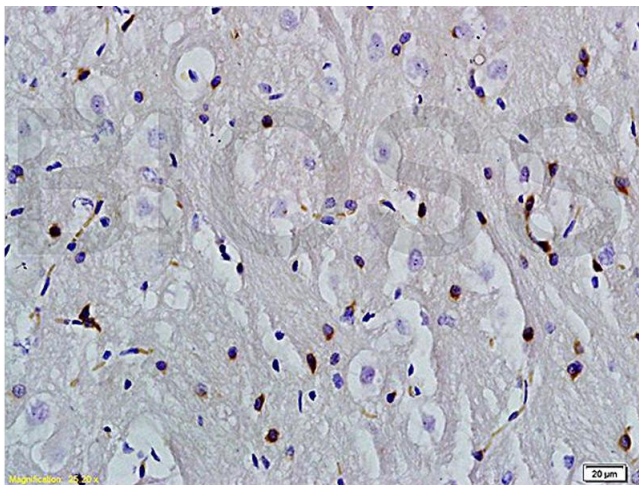
Expiry Date: 12 months

Images



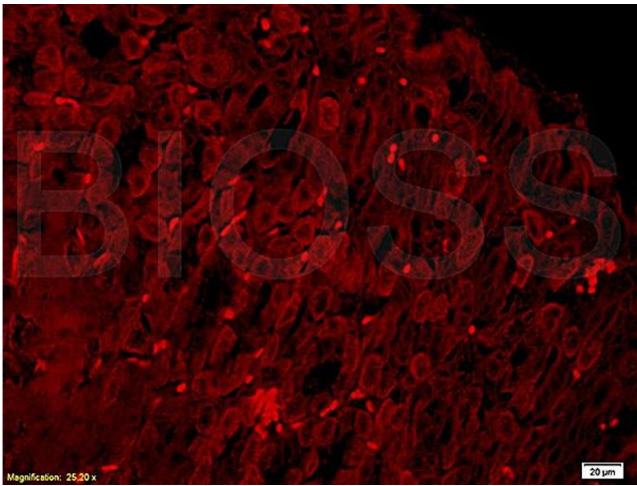
SDS-PAGE

Image 1. L1 rat brain lysates L2 rat colon lysates probed with Anti phospho-PI3KCA(TYR317) Polyclonal Antibody, Unconjugated (ABIN711521) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 117kD. Observed band size: 110kD



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human hepatoma labeled with Anti-phospho-CDKN2A/p16-INK4a (Ser140) Polyclonal Antibody, Unconjugated followed by conjugation to the secondary antibody and DAB staining



Immunofluorescence

Image 3. Formalin-fixed and paraffin embedded mouse stomach tissue labeled with Anti- PHOSPHO-PI3KCA(TYR317) Polyclonal Antibody, Unconjugated (ABIN711521) at 1:200 followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG, PE conjugated used at 1:200 dilution for 40 minutes at 37 °C and DAPI staining