

Allgemeine Informationen

Katalog-Nr.:

12816-1-AP

Größe:

150ul, Konzentration: 700 µg/ml von Nanodrop und 340 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG3456

GenBank-Zugangsnummer:

BC015009

GeneID (NCBI):

3707

Vollständiger Name:

inositol 1,4,5-trisphosphate 3-kinase B

Berechnete Masse:

946 aa, 102 kDa

Beobachtete Masse:

102-110 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000

IHC 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: Maushirngewebe, K-562-Zellen, Mauslungengewebe, Maus-Thymusgewebe, Rattenhirngewebe

IHC: humanes Zervixkarzinomgewebe, humanes Lungengewebe, Maushirngewebe

Hintergrundinformationen

Inositol 1,4,5-trisphosphate 3-kinase isoform B (ITPKB) is also named as IP3KB and possesses important roles in the development of immune cells. ITPKB can be targeted to multiple cellular compartments, among them nuclear localization and binding in close proximity to the plasma membrane. The B isoform is the only IP3K that is almost ubiquitously expressed in mammalian cells (PMID:21148483). Three isoforms of IP3KB occur in mammals, which are distinguished by different molecular masses, sensitivity to Ca²⁺/CaM (calmodulin), intracellular distribution and tissue expression (PMID:16173920). ITPKB can be cleaved into many fragments, this antibody can recognize the N-terminal peptide fragment (PMID:15130091).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xiulei Mo	35512704	Cell	WB
Laura Marongiu	33785611	Sci Signal	IHC, WB
Abduarahman Almutairi	31987846	J Allergy Clin Immunol	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

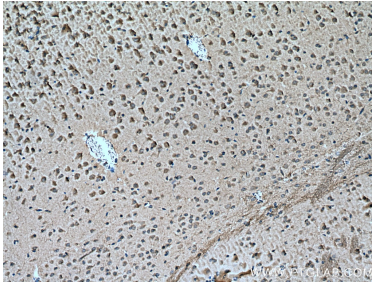
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

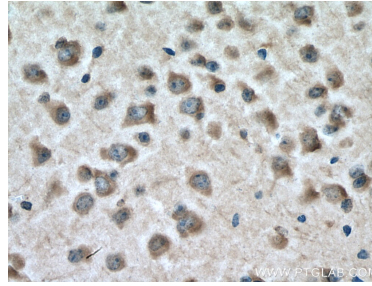
E: proteintech@ptglab.com
 W: ptglab.com

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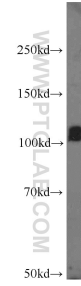
Ausgewählte Validierungsdaten



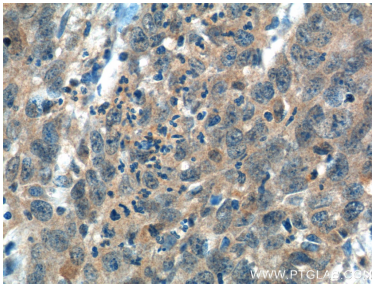
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12816-1-AP (ITPKB antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12816-1-AP (ITPKB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 12816-1-AP (ITPKB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 12816-1-AP (ITPKB Antibody) at dilution of 1:50 (under 40x lens).