



Rabbit Anti-AKAP7 antibody

SL11999R

Product Name:	AKAP7
Chinese Name:	蛋白激酶A锚定蛋白7抗体
Alias:	A kinase (PRKA) anchor protein 7; A kinase anchor protein 18 kD; A Kinase Anchor Protein 7; A Kinase Anchor Protein 7 Isoform Alpha; A kinase anchor protein 7 isoform beta; A kinase anchor protein 7 isoform gamma; A kinase anchor protein 7 isoforms alpha and beta; A kinase anchor protein 9 kDa; A Kinase Anchoring Protein 18; A-kinase anchor protein 18 kDa; A-kinase anchor protein 7 isoforms alpha and beta; AKA7A_HUMAN; AKAP 18; AKAP 7; AKAP-7 isoforms alpha and beta; AKAP15; AKAP18; Akap7; HGNC377; OTTHUMP00000040266; Protein kinase A anchoring protein 7; Protein kinase A anchoring protein 7 isoform alpha; Protein kinase A anchoring protein 7 isoform beta; Protein kinase A anchoring protein 7 isoform gamma; Protein kinase A anchoring protein 7 isoforms alpha/beta; Protein kinase A-anchoring protein 7 isoforms alpha/beta.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	11.3kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human AKAP7:31-80/104
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

	when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>A kinase (PRKA) anchor protein 7; A kinase anchor protein 18 kD; A Kinase Anchor Protein 7; A Kinase Anchor Protein 7 Isoform Alpha; A kinase anchor protein 7 isoform beta; A kinase anchor protein 7 isoform gamma; A kinase anchor protein 7 isoforms alpha and beta; A kinase anchor protein 9 kDa; A Kinase Anchoring Protein 18; A-kinase anchor protein 18 kDa; A-kinase anchor protein 7 isoforms alpha and beta; AKA7A_HUMAN; AKAP 18; AKAP 7; AKAP-7 isoforms alpha and beta; AKAP15; AKAP18; Akap7; HGNC377; OTTHUMP00000040266; Protein kinase A anchoring protein 7; Protein kinase A anchoring protein 7 isoform alpha; Protein kinase A anchoring protein 7 isoform beta; Protein kinase A anchoring protein 7 isoform gamma; Protein kinase A anchoring protein 7 isoforms alpha/beta; Protein kinase A-anchoring protein 7 isoforms alpha/beta.</p> <p>Function: Targets the cAMP-dependent protein kinase (PKA) to the plasma membrane, and permits functional coupling to the L-type calcium channel.</p> <p>Subunit: Binds cAMP-dependent protein kinase (PKA). Interacts with PRKCA; only the cytoplasmic form is capable of interacting with PRKCA.</p> <p>Subcellular Location: Apical cell membrane. Targeted predominantly to the apical membrane and Lateral cell membrane. Targeted predominantly to the lateral membrane.</p> <p>Tissue Specificity: Expressed in brain, heart, lung, pancreas and skeletal muscle.</p> <p>SWISS: O43687</p> <p>Gene ID: 9465</p> <p>Database links: Entrez Gene: 9465Human Entrez Gene: 432442Mouse Entrez Gene: 361458Rat Omim: 604693Human SwissProt: O43687Human</p>

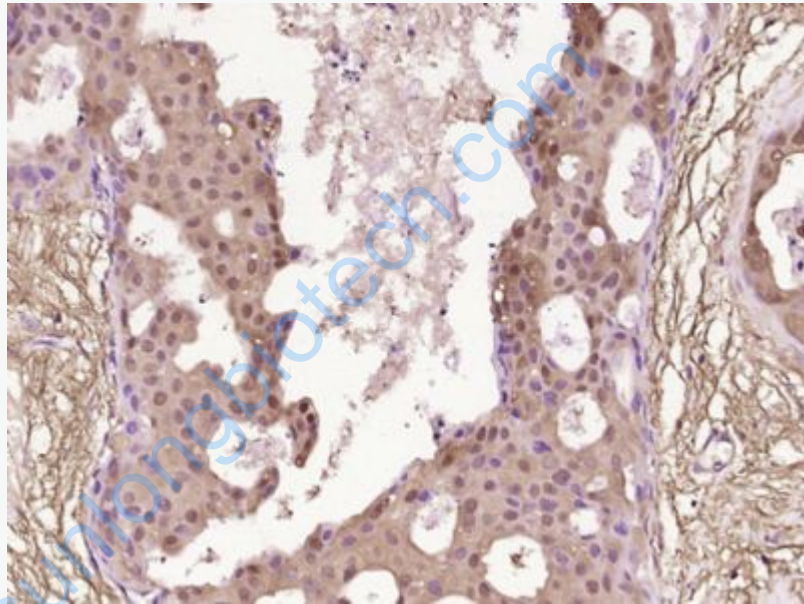
[SwissProt: Q9P0M2](#)Human

[SwissProt: O55074](#)Mouse

[SwissProt: Q6JP77](#)Rat

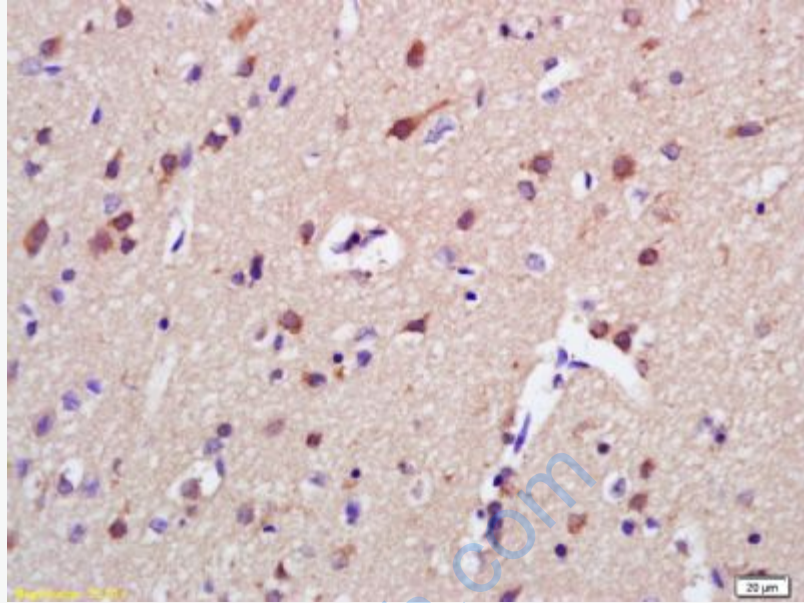
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (AKAP7) Polyclonal Antibody, Unconjugated (SL11999R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-AKAP7 Polyclonal Antibody, Unconjugated(SL11999R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining