



Rabbit Anti-SAKS1/2B28 antibody

SL18331R

Product Name:	SAKS1/2B28
Chinese Name:	丝裂原活化蛋白激酶底物1抗体
Alias:	LOC51035 2B28; 4930455J02Rik; D19ErtD721e; MGC124706; MGC6696; mY33K; UBXN1_HUMAN; Protein 2B28; RGD1309471; SAKS1; SAPK substrate protein 1; T25529; UBA/UBX 33.3 kDa protein; UBX domain containing protein 1; UBX domain protein 1; UBXD10; UBXN1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
Applications:	ELISA=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:	33kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SAKS1/2B28:51-150/297
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:	2B28 is a component of a complex composed of NGLY1, SAKS1, AMFR, VCP and RAD23B, where it acts as an adapter that directs VCP to polyubiquitinated proteins. 2B28 also interacts with Homer 2, which further suggests role for 2B28 in the regulation of protein degradation by ubiquitin-proteasome systems.

Function:

Component of a complex required to couple deglycosylation and proteasome-mediated degradation of misfolded proteins in the endoplasmic reticulum that are retrotranslocated in the cytosol. Involved in ubiquitin-proteasome systems. 2 named isoforms exist.

Subunit:

Component of a complex required to couple retrotranslocation, ubiquitination and deglycosylation composed of NGLY1, SAKS1, AMFR, VCP and RAD23B. Interacts with HOMER2 (By similarity). Interacts directly with VCP. Interacts with BRCA1 and BARD1; interaction takes place when BRCA1 is not autoubiquitinated but is strongly enhanced in the presence of autoubiquitinated BRCA1.

Subcellular Location:

Cytoplasm

Similarity:

Belongs to the mitochondrial carrier (TC 2.A.29) family.

SWISS:

Q04323

Gene ID:

51035

Database links:

[Entrez Gene: 51035](#) Human

[Entrez Gene: 225896](#) Mouse

[Entrez Gene: 293719](#) Rat

[SwissProt: Q04323](#) Human

[SwissProt: Q922Y1](#) Mouse

[SwissProt: Q499N6](#) Rat

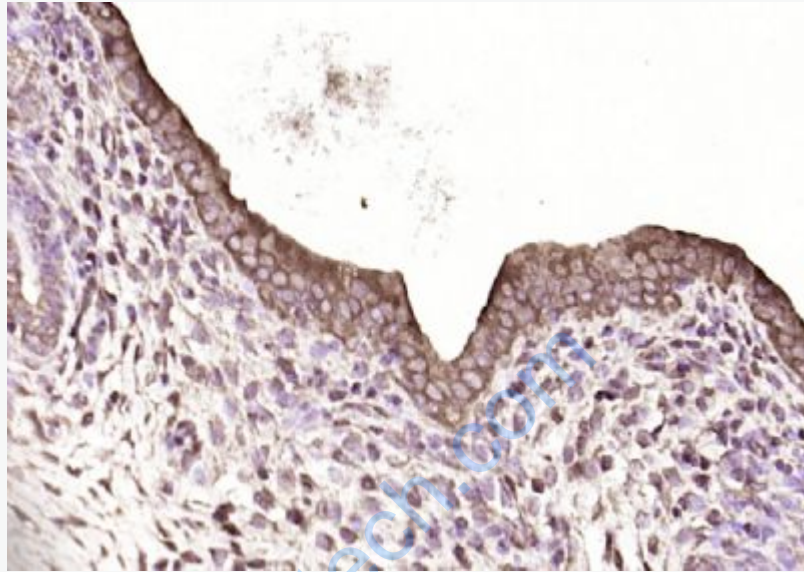
[Unigene: 351296](#) Human

[Unigene: 27839](#) Mouse

[Unigene: 198539](#) 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 (rat uterus); 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 (SAKS1 2B28) Polyclonal Antibody, Unconjugated (SL18331R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.