10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ASB10 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58239

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q8WXI3
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50894
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ASB10
Epitope Specificity	401-450/467
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 7 ANK repeats.Contains 1 SOCS box domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ASB10 is a member of the ankyrin repeat and SOCS box-containing (ASB) family of proteins. SOCS boxes are carboxy terminal regions of homology found in the suppressor of cytokine signaling (SOCS) family of proteins. The box region is thought to be the point of interaction between SOCS proteins and E3 ubiquitin ligases. The SOCS box couples the suppressor of cytokine signalling proteins and their binding partners with the elongin B and C complex, possibly targeting them for degradation.

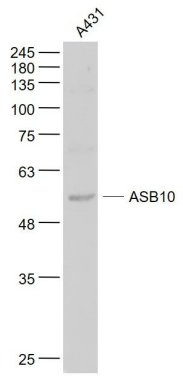
Additional Information

Gene ID	136371
Other Names	Ankyrin repeat and SOCS box protein 10, ASB-10, ASB10
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

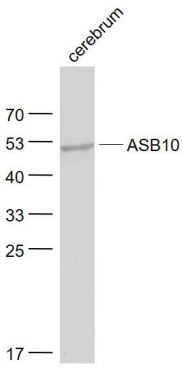
Protein Information

Name	ASB10
Function	May be a substrate-recognition component of a SCF-like ECS (Elongin-Cullin-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.
Cellular Location	Cytoplasm. Nucleus. Note=In the ciliary body, it is detected in the cytoplasm and perinuclear region of the pigmented ciliary epithelial layer. In the retina, it is detected in the nuclei of retinal ganglion cells
Tissue Location	Expressed in the eye. The highest expression is observed in the iris, with moderate levels in the trabecular meshwork (TM), the lamina, and the optic nerve; slightly lower levels in the ciliary body, retina, and choroid; and very low levels in the lens

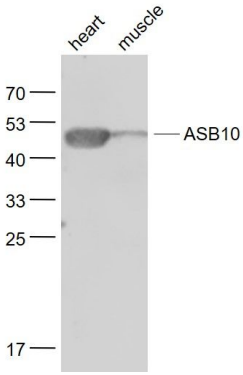
Images



Sample:
A431(Human) Cell Lysate at 30 ug
Primary: Anti- ASB10 (AP58239) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 51 kD
Observed band size: 53 kD

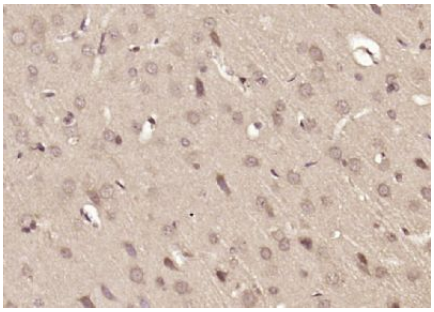


Sample:
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti- ASB10 (AP58239) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 51 kD
Observed band size: 51 kD

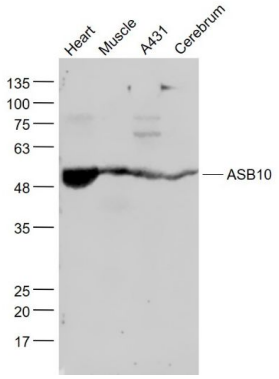


Sample:
Heart (Mouse) Lysate at 40 ug
Muscle (Mouse) Lysate at 40 ug
Primary: Anti- ASB10 (AP58239) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 51 kD
Observed band size: 51 kD

Paraformaldehyde-fixed, paraffin embedded (rat brain);



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 (ASB10) Polyclonal Antibody, Unconjugated (AP58239) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Sample:
Heart (Mouse) Lysate at 40 ug
Muscle (Mouse) Lysate at 40 ug
A431(Human) Cell Lysate at 30 ug
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti- ASB10 (AP58239) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 51 kD
Observed band size: 51 kD