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

Specification

ASB10 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	Q8WXI3
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**51 KDa**
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.

ASB10 Polyclonal Antibody - Additional Information

Gene ID 136371

Other Names
Ankyrin repeat and SOCS box protein 10, ASB-10, ASB10

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Storage

Store at -20 ℃ 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 ℃.

ASB10 Polyclonal Antibody - 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

ASB10 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ASB10 Polyclonal Antibody - Images

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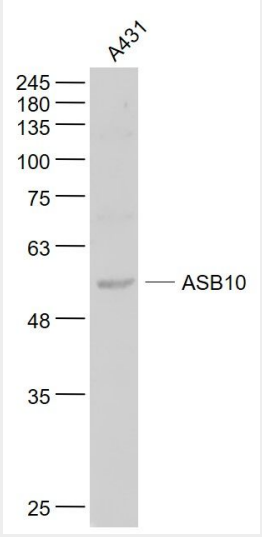
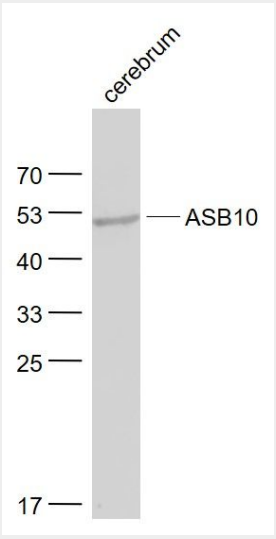


Sample:
A431(Human) Cell Lysate at 30 ug
Primary: Anti- ASB10 (bs-4653R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 51 kD
Observed band size: 53 kD



Sample:
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti- ASB10 (bs-4653R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 51 kD
Observed band size: 51 kD

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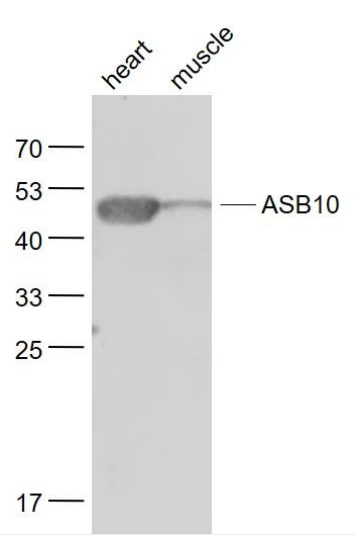
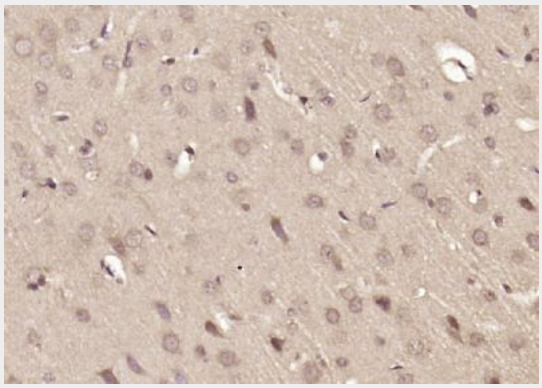


Sample:
Heart (Mouse) Lysate at 40 ug
Muscle (Mouse) Lysate at 40 ug
Primary: Anti- ASB10 (bs-4653R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 51 kD
Observed band size: 51 kD



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 (bs-4653R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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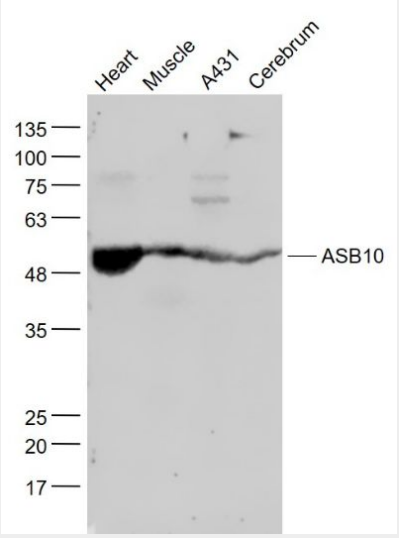

Sample:
Heart (Mouse) Lysate at 40 ug
Muscle (Mouse) Lysate at 40 ug
A431(Human) Cell Lysate at 30 ug
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti- ASB10 (bs-4653R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 51 kD
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