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SIAH3 Rabbit pAb

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Catalog # AP56710

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8IW03
Reactivity	Mouse
Predicted	Dog, Human, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30660
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SIAH3
Epitope Specificity	1-100/269
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Members of the SINA (seven in absentia) protein family are components of ubiquitin ligase complexes, which target proteins for proteasomal degradation. SIAH3 (seven in absentia homolog 3) is a 269 amino acid protein that belongs to the SINA family, contains one SIAH-type zinc finger and is encoded by a gene located on human chromosome 13. Comprising nearly 4% of human DNA, chromosome 13 contains around 114 million base pairs and 400 genes. Key tumor suppressor genes on chromosome 13 include the breast cancer susceptibility gene, BRCA2, and the RB1 (retinoblastoma) gene. RB1 encodes a crucial tumor suppressor protein which, when defective, leads to malignant growth in the retina and has been implicated in a variety of other cancers. The gene SLITRK1, which is associated with Tourette syndrome, is on chromosome 13. As with most chromosomes, polysomy of part or all of chromosome 13 is deleterious to development and decreases the odds of survival. Trisomy 13, also known as Patau syndrome, is quite deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.

Additional Information

Gene ID	283514
Other Names	Seven in absentia homolog 3, Siah-3, SIAH3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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 SIAH3

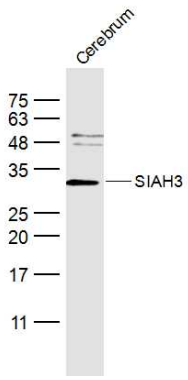
Function Negative regulator of PRKN translocation to damaged mitochondria. Acts probably by destabilizing PINK1 protein, hence inhibiting PRKN targeting to dysfunctional depolarized mitochondria.

Cellular Location Mitochondrion.

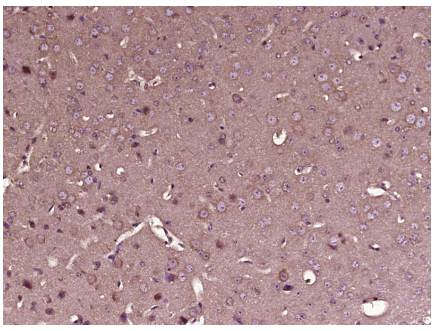
Background

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Images



Sample:
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti-SIAH3 (AP56710) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 31 kD
Observed band size: 31 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (SIAH3) Polyclonal Antibody, Unconjugated (AP56710) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.