GOAT ANTI-GNAS ANTIBODY

SKU: EB10063
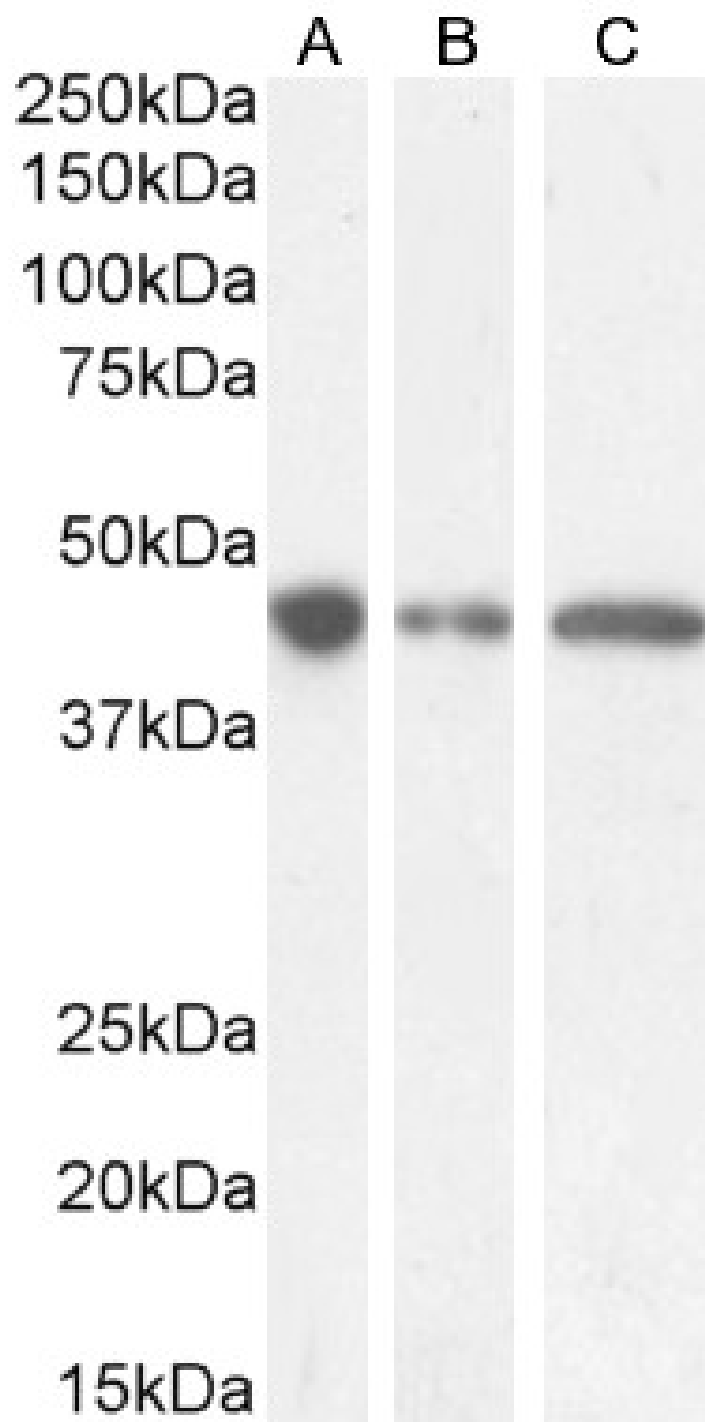
SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	GNAS|POH|PHP1B|PHP1A|OTTHUMP00000196030|OTTHUMP00000196026|OTTHUMP00000031742|NESP|MGC33735|GSP|GSA|GPSA|GNAS1|GNAS complex locus|dJ309F20.1.1|C20orf45|AHO|adenylate cyclase-stimulating G alpha protein
Accession ID	NP_000507.1; NP_001070956.1; NP_001070957.1
Blocking Peptide	EBP10063
Immunogen	Peptide with sequence C-QAARSNSDGEKATK, from the internal region of the protein sequence according to NP_000507.1; NP_001070956.1; NP_001070957.1.
Product Comments	This antibody is expected to recognize all three reported isoforms NP_000507.1, NP_001070956.1 and NP_536350.2. However, in Mouse it is expected to recognize reporterd isoforms GNASL (NP_963910.1) and XLas (NP_034439.2) only.
Peptide Sequence	C-QAARSNSDGEKATK
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Cow
Reactive Species	Human, Mouse, Rat
Human Gene ID	2778
Mouse Gene ID	14683
Rat Gene ID	24896
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	Approx. 45kDa band observed in Human Cerebellum, Mouse and Rat Brain lysates, and in lysates of cell line KNRK (calculated MW of 45.6kDa according to Human NP_963910.1, Mouse NP_963910.1 and Rat NP_062005.1). Recommended concentration: 0.1-0.5µg/ml. Primary incubation 1 hour at room temperature.
Application Type	Pep-ELISA, WB

SELECTED REFERENCES

[{"pmid": 30377371, "intro": "**This antibody (previous batch) has been successfully used in the following paper:**", "title": "A high-throughput pipeline for validation of antibodies", "author": "Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen", "journal": "Nat Methods. 2018

Nov;15(11):909-912"}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES