

GNA11 antibody

Catalog No: #38451

Package Size: #38451-1 50ul #38451-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

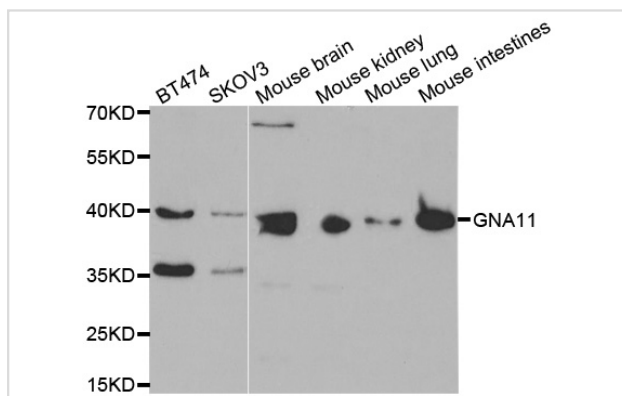
Product Name	GNA11 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total GNA11 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human GNA11.
Target Name	GNA11
Other Names	GNA-11;
Accession No.	Swiss-Prot#: P29992NCBI Gene ID: 2767
Uniprot	P29992
GeneID	2767;
SDS-PAGE MW	42kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

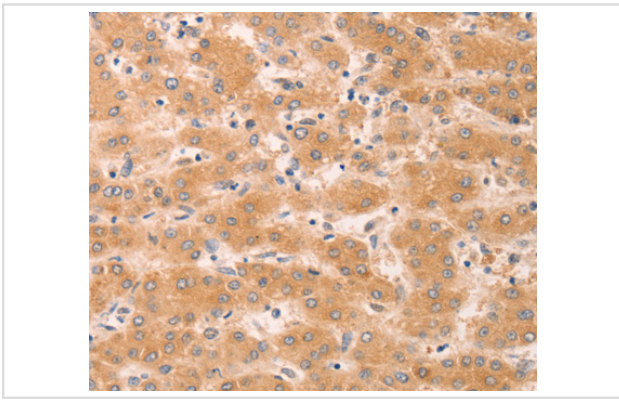
Western blotting: □1:500 - 1:2000

Immunohistochemistry: □1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using GNA11 antibody.



Immunohistochemistry analysis of paraffin-embedded human liver cancer tissue, using GNA11 antibody.

Background

Heterotrimeric guanine nucleotide-binding proteins (G proteins) consist of α , β and γ subunits and mediate the effects of hormones, neurotransmitters, chemokines and sensory stimuli. To date, over 20 known $G\alpha$ subunits have been classified into four families, $G\alpha(s)$, $G\alpha(i/o)$, $G\alpha(q)$ and $G\alpha(12)$, based on structural and functional similarities (1,2). Phosphorylation of Tyr356 of $G\alpha(q)/G\alpha(11)$ is essential for activation of the G protein, since phenylalanine substitution for Tyr356 changes the interaction of $G\alpha$ with receptors and abolishes ligand-induced IP3 formation (3).

Note: This product is for in vitro research use only