For Research Use Only

ENSA Polyclonal antibody

Catalog Number:14518-1-AP

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
14518-1-AP

Size:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5982

GenBank Accession Number:
BC004461

GeneID (NCBI):
2029

UNIPROT ID:
O43768

Full Name:
endosulfine alpha

Calculated MW:
14 kDa

Observed MW:
19 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:200-1:1000
IHC 1:50-1:200
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, COLO 320 cells, HeLa cells

IHC : human small intestine tissue, human colon tissue

IF/ICC : HeLa cells,

Background Information

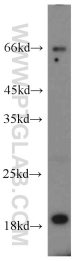
Endosulfine alpha (ENSA) belongs to the highly conserved c-AMP-regulated phosphoprotein (ARPP) family and was originally identified as an endogenous ligand for the sulfonylurea receptor, which regulates insulin secretion and glucose metabolism.ENSA not only regulates the cell cycle by interacting with microtubule-associated serine/threonine protein kinase-like (MASTL) enzymes, but also influences tumor growth through its own methylation. Recent studies have shown that ENSA is an important regulator of cholesterol biosynthesis in triple-negative breast cancer (TNBC) and that it triggers tumor growth by promoting cholesterol biosynthesis in TNBC.

Storage

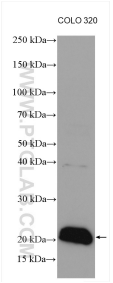
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

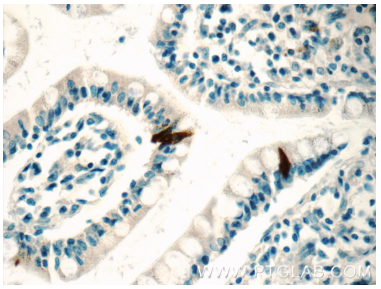
Selected Validation Data



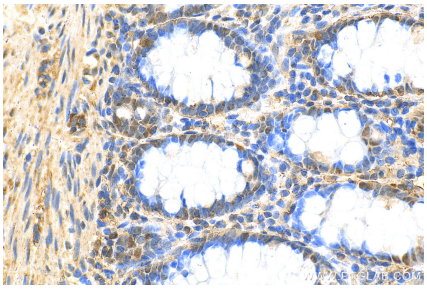
mouse brain tissue were subjected to SDS PAGE followed by western blot with 14518-1-AP (ENSA antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



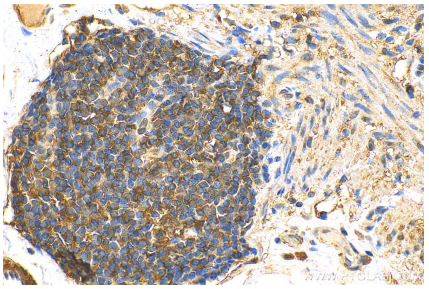
Various lysates were subjected to SDS PAGE followed by western blot with 14518-1-AP (ENSA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



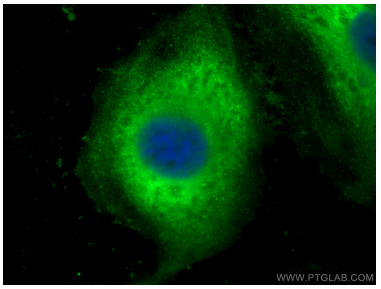
Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 14518-1-AP (ENSA Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14518-1-AP (ENSA antibody) at dilution of 1:50 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14518-1-AP (ENSA antibody) at dilution of 1:50 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ENSA antibody (14518-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).