

For Research Use Only

TRPA1 Polyclonal antibody

Catalog Number: 25226-1-AP



Basic Information

Catalog Number:

25226-1-AP

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18685

GenBank Accession Number:

BC153003

GeneID (NCBI):

8989

UNIPROT ID:

O75762

Full Name:

transient receptor potential cation channel, subfamily A, member 1

Calculated MW:

1119 aa, 128 kDa

Observed MW:

130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : A549 cells, U2OS cells

Background Information

TRPA1 (Transient Receptor Potential Ankyrin 1) is a member of the transient receptor potential (TRP) channel family and is a non-selective cation channel. TRPA1 is predominantly expressed in sensory neurons and is involved in a variety of physiological activities, such as stabilizing cellular membrane potentials, maintaining cellular fluid homeostasis, and regulating intercellular signaling. TRPA1 is a multimodal cell membrane receptor that senses different stimuli and upon activation generates action potential signals via osmolality, temperature and inflammatory factors. TRPA1 has been associated with neurogenic inflammation, osteoarthritis, atopic dermatitis, asthma, inflammatory bowel disease, migraine headache, cancer pain, gout and other diseases, and it is a promising target for drug therapy.

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:

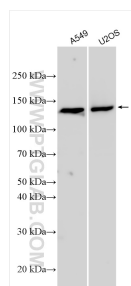
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25226-1-AP (TRPA1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.