

Rat Transient Receptor Potential Cation Channel Subfamily A, Member 1 (TRPA1) ELISA Kit | TRPA1 elisa kit

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CATALOG # AAA189842	REACTIVITY Rat
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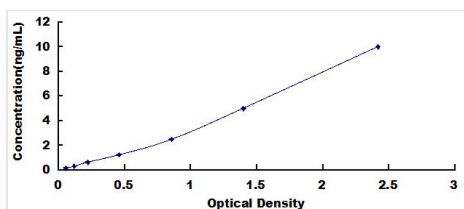
PRODUCT SYNONYMS

Transient Receptor Potential Cation Channel Subfamily A; Member 1 (TRPA1); Rat Transient Receptor Potential Cation Channel Subfamily A; Member 1 (TRPA1) ELISA Kit; ANKTM1; Ankyrin-like with transmembrane domains protein 1; Transformation-sensitive protein p120; TRPA1/Transient Receptor Potential Cation Channel Subfamily A; Member 1; TRPA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TRPA1. No significant cross-reactivity or interference between TRPA1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TRPA1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TRPA1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TRPA1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TRPA1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TRPA1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TRPA1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of TRPA1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TRPA1 in rat tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for TRPA1 elisa kit	Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	46485385
NCBI GeneID	312896
NCBI Accession #	NP_997491.1
NCBI GenBank Nucleotide #	NM_207608.1
UniProt Accession #	Q6RI86
Molecular Weight	128,602 Da
NCBI Official Full Name	transient receptor potential cation channel subfamily A member 1
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily A, member 1
NCBI Official Symbol	Trpa1
NCBI Official Synonym Symbols	Anktm1
NCBI Protein Information	transient receptor potential cation channel subfamily A member 1; ankyrin-like with transmembrane domains protein 1
UniProt Protein Name	Transient receptor potential cation channel subfamily A member 1
UniProt Gene Name	Trpa1
UniProt Synonym Gene Names	Anktm1
UniProt Entry Name	TRPA1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.