

Datasheet for ABIN872461

anti-Fission 1 antibody (AA 55-152)

3 Images

1 Publication



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Overview

Quantity:	100 µL
Target:	Fission 1 (FIS1)
Binding Specificity:	AA 55-152
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Fission 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FIS1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	Fission 1 (FIS1)
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Target Details

Alternative Name:	FIS1 (FIS1 Products)
Background:	<p>Synonyms: TTC11, CGI-135, Mitochondrial fission 1 protein, FIS1 homolog, hFis1, Tetratricopeptide repeat protein 11, TPR repeat protein 11, FIS1</p> <p>Background: Involved in the fragmentation of the mitochondrial network and its perinuclear clustering. Plays a minor role in the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface and mitochondrial fission. Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis. Also mediates peroxisomal fission.</p>
Gene ID:	51024
UniProt:	Q9Y3D6
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

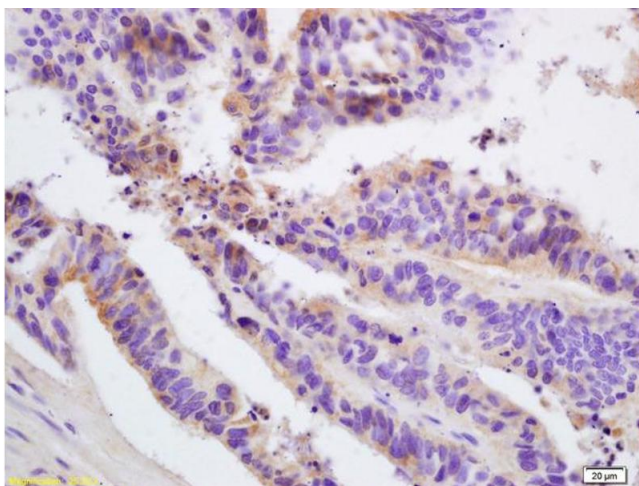
Handling

Expiry Date: 12 months

Publications

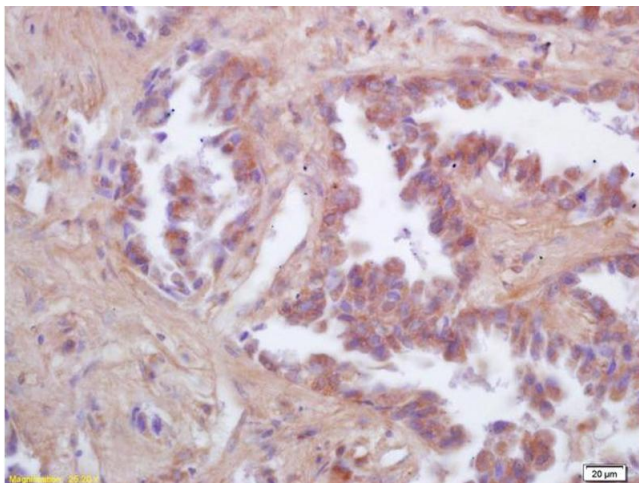
Product cited in: Ku, Ji, Zhang, Li, Sang: "PM2.5, SO₂ and NO₂ co-exposure impairs neurobehavior and induces mitochondrial injuries in the mouse brain." in: **Chemosphere**, Vol. 163, pp. 27-34, (2016) ([PubMed](#)).

Images



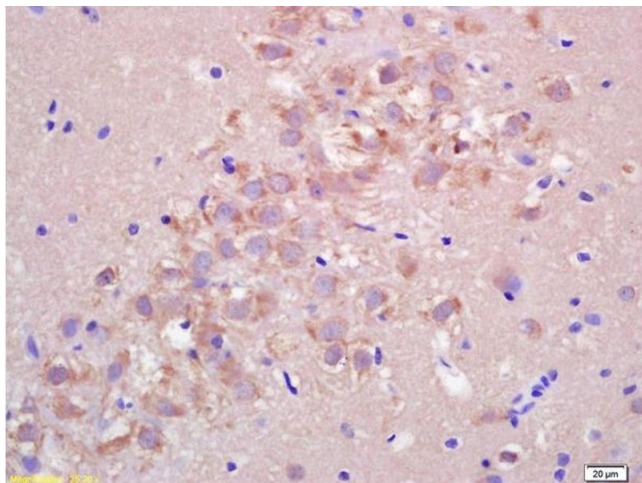
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti FIS1/TTC11 Polyclonal Antibody, Unconjugated (ABIN872461) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Rabbit Anti FIS1/TTC11 Polyclonal Antibody, Unconjugated (ABIN872461) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti FIS1/TTC11 Polyclonal Antibody, Unconjugated (ABIN872461) at 1:200 followed by conjugation to the secondary antibody and DAB staining