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Datasheet for ABIN6265186

anti-SMCR7 antibody

3 Images

Overview

Quantity:	100 µL
Target:	SMCR7
Reactivity:	Mouse, Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMCR7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human SMCR7/MID49.
Isotype:	IgG
Specificity:	SMCR7/MID49 antibody detects endogenous levels of SMCR7/MID49.
Cross-Reactivity:	Human, Mouse (Murine)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	SMCR7
Alternative Name:	SMCR7/MID49 (SMCR7 Products)
Background:	Description: Mitochondrial outer membrane protein which regulates mitochondrial fission.

Target Details

Promotes the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface independently of the mitochondrial fission FIS1 and MFF proteins. Regulates DNM1L GTPase activity.

Gene: MIEF2

Molecular Weight: 49 kDa

Gene ID: 125170

UniProt: [Q96C03](#)

Application Details

Application Notes: WB 1:500-1:2000, IHC 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

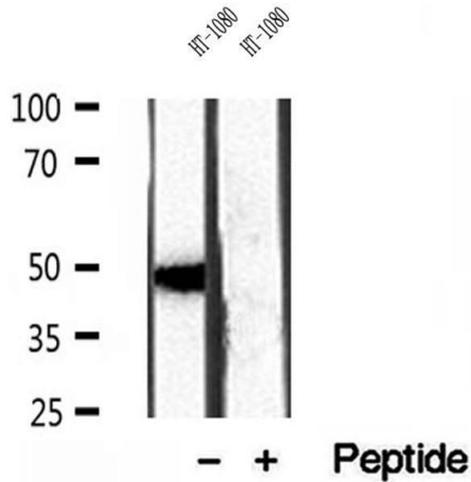
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

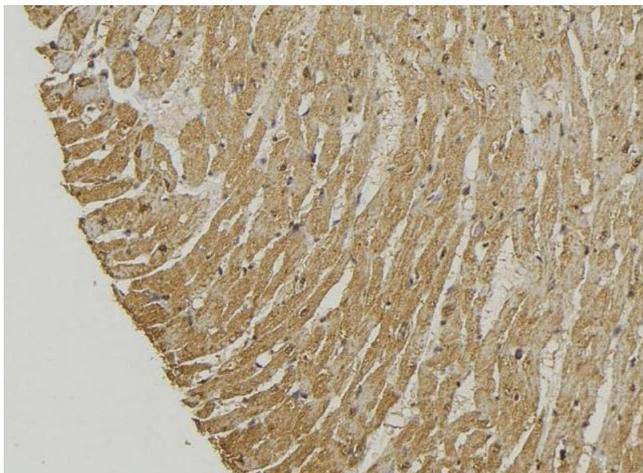
Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt

Expiry Date: 12 months



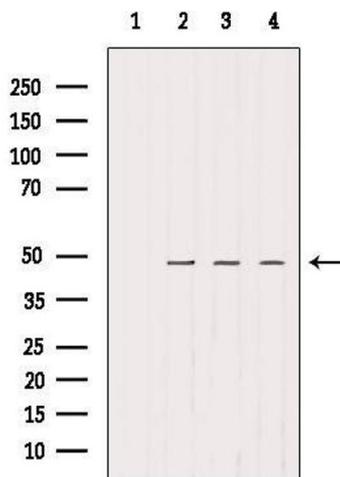
Western Blotting

Image 1. Western blot analysis of extracts of HT-1080 cells, using SMCR7/MID49 antibody.



Immunohistochemistry

Image 2. ABIN6272888 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



Western Blotting

Image 3. Western blot analysis of extracts from various samples, using SMCR7/MID49 Antibody. Lane 1: 3T3 treated with blocking peptide; Lane 2: 3T3; Lane 3: COS-7; Lane 4: MCF7.