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Datasheet for ABIN2484850
anti-Ptges3l antibody (FITC)

2 Images

Overview

Quantity:	100 µg
Target:	Ptges3l (PTGES3L)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Ptges3l antibody is conjugated to FITC
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Antibody Array (AA)

Product Details

Immunogen:	Recombinant tsp23
Clone:	Tsp232A
Isotype:	IgG1 kappa
Specificity:	Detects ~19 kDa. Detects Tsp23, no cross-reactivity to p23.
Cross-Reactivity:	Human, Mouse
Purification:	Protein G Purified

Target Details

Target:	Ptges3l (PTGES3L)
Alternative Name:	TSP23 (PTGES3L Products)
Background:	P23 is a highly conserved ubiquitous protein, known to have an important function as a

Target Details

cochaperone for the HSP90 chaperoning system (1). Studies have revealed that p23 is a small protein (18 to 25 kDa) with a simple structure (2, 3). p23 is a phosphor-protein, which is highly acidic and has an aspartic acid-rich c-terminal domain (1). Numerous studies have found p23 to be associated with other client proteins like Fes tyrosine kinase (4), the heme regulated kinase HRI (5), hsf1 transcription factor (4), aryl hydrocarbon receptor (4), telomerase (6), and Hepadnavirus reverse transcriptase (7). In spite of several years of study, the exact functional significance of p23 is still not clear (8). p23 is thought to be involved in the adenosine triphosphate-mediated HSP90 binding of client proteins (8). Since many HSP90 client proteins are involved in oncogenic survival signaling, a recent study has concluded p23 to be a promising target in leukemic apoptosis (9). HSP90 and its co-chaperone p23 are certainly among the emerging anti-tumor targets in oncology. Specifically TSP23 (transcript similar p23) displays 44 % and 17 % amino acid identity with p23 and Sba1p respectively (10).

Gene ID: 80755

NCBI Accession: [NP_001136126](#)

UniProt: [B9A003](#)

Application Details

Application Notes:

- WB (1:1000)
- IHC (1:1000)
- optimal dilutions for assays should be determined by the user.

Comment: 1 µg/ml of ABIN2484850 was sufficient for detection of tsp23 in 20 µg of transiently transfected Hela cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

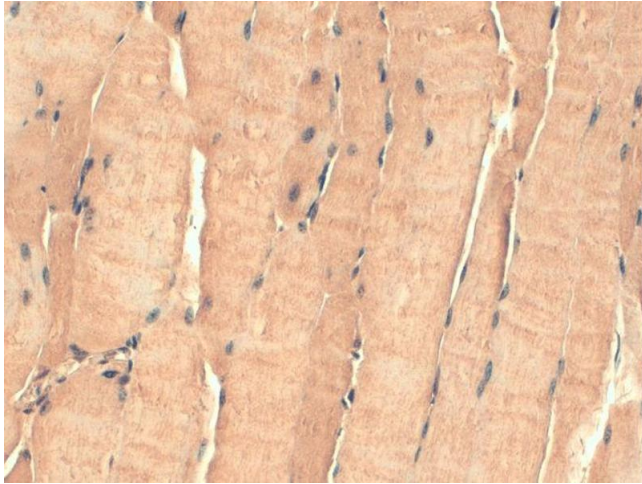
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: 4 °C

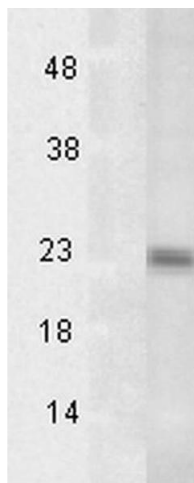
Storage Comment: Conjugated antibodies should be stored at 4°C

Validation report #103875 for Immunofluorescence (IF)



Immunohistochemistry

Image 1. Immunohistochemistry analysis using Mouse Anti-Tsp23 Monoclonal Antibody, Clone TSp232A . Tissue: Heart Skeletal Muscle. Species: Mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-Tsp23 Monoclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500 µl for 5 minutes at RT.



Western Blotting

Image 2. Western Blot analysis of Human Heat Shocked HeLa cell lysates showing detection of Tsp23 protein using Mouse Anti-Tsp23 Monoclonal Antibody, Clone TSp232A . Load: 15 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Tsp23 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.