Nur für Forschungszwecke

STOML2 Polyklonaler Antikörper

Katalog-Nr.:10348-1-AP Vorgestelltes Produkt 47 Publikationen

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Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
10348-1-AP

Größe:
150ul , Konzentration: 400 μg/ml von Nanodrop und 213 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG0363

GenBank-Zugangsnummer:
BC002442

GeneID (NCBI):
30968

Vollständiger Name:
stomatin (EPB72)-like 2

Berechneté Masse:
356 aa, 39 kDa

Beobachteté Masse:
39 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:1000-1:6000
IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
IHC 1:20-1:200
IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:
IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
IF, IHC, IP, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : C6-Zellen, HEK-293-Zellen, Maushirngewebe, Rattenhirngewebe

IP : Maushirngewebe,

IHC : humanes Lungenkarzinomgewebe, humanes Endometriumkarzinomgewebe, humanes Mammakarzinomgewebe

IF : MCF-7-Zellen,

Hintergrundinformationen

STOML2 (Stomatin-like protein 2; also known as SLP-2) is a widely expressed mitochondrial member of the highly conserved family of stomatin proteins. STOML2 is localized mostly in mitochondrial inner membrane, minor in plasma membrane. Human STOML2 interacts with prohibitins and regulates mitochondrial biogenesis and function (21746876). In addition, plenty of studies revealed that STOML2 was overexpressed in many human cancer tissues, and its expression may be a new valuable prognostic biomarker (19839737, 21960069). Recently STOML2 has been identified as a serological biomarker for early colorectal cancer (CRC) diagnosis (21209152). Two isoforms of STOML2 exist due to the alternative splicing, with MW of 39 kDa and 33 kDa, respectively.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Huan Deng	29181097	Oncol Lett	IHC
Yijie Huang	29033585	Onco Targets Ther	IHC
Yueqi Wang	19597348	Cancer Biol Ther	WB,IHC,IF

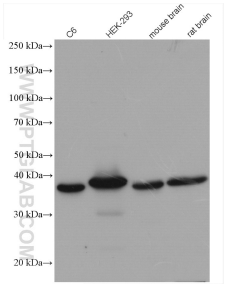
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

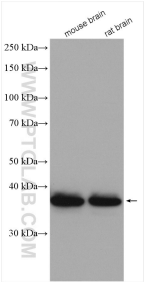
***** 20ul-Größen enthalten 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

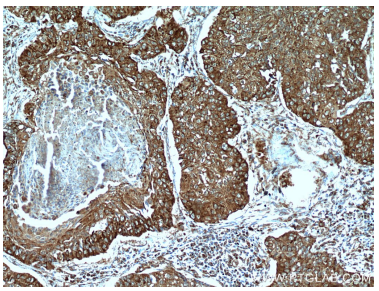
Ausgewählte Validierungsdaten



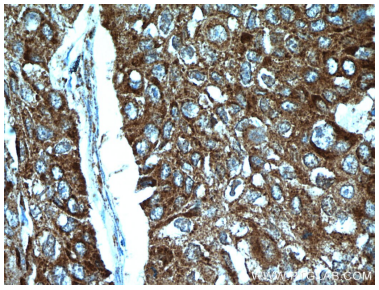
Various lysates were subjected to SDS PAGE followed by western blot with 10348-1-AP (STOML2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



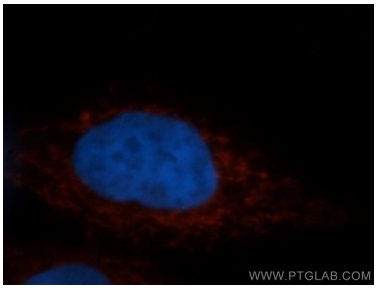
Various lysates were subjected to SDS PAGE followed by western blot with 10348-1-AP (STOML2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



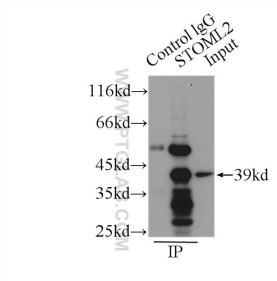
Immunohistochemical analysis of paraffin-embedded human lung cancer using 10348-1-AP (STOML2 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer using 10348-1-AP (STOML2 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of MCF-7 cells, using STOML2 antibody 10348-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-STOML2 (IP:10348-1-AP, 3ug; Detection:10348-1-AP 1:1000) with mouse brain tissue lysate 1000ug.