Datasheet for ABIN524426

anti-STON1 antibody (AA 529-620)

1 Validation

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	STON1
Binding Specificity:	AA 529-620
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This STON1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant SBLF.
Immunogen:	SBLF (NP_006864, 529 a.a. ~ 620 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	SLKSVVVVQG AYVELQAFVN MASLAQRSSY AGSLRSCDNI RIHFPVPSQW IKALWTMNLQ RQKSLKAKMN RRACLGSLQE LESEPVIQVT VG
Clone:	1F3
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	STON1
Alternative Name:	STON1 (STON1 Products)
Background:	Full Gene Name: stonin 1 Synonyms: DKFZp781K2462,MGC149803,MGC149804,SBLF,STN1,STNB1,stoned-b1
Gene ID:	11037
NCBI Accession:	NM_006873

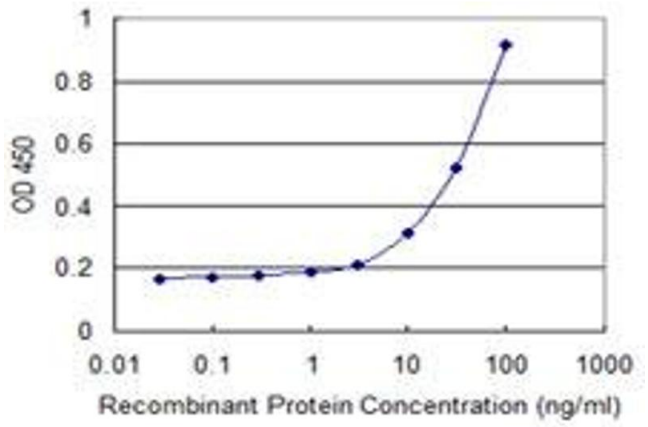
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

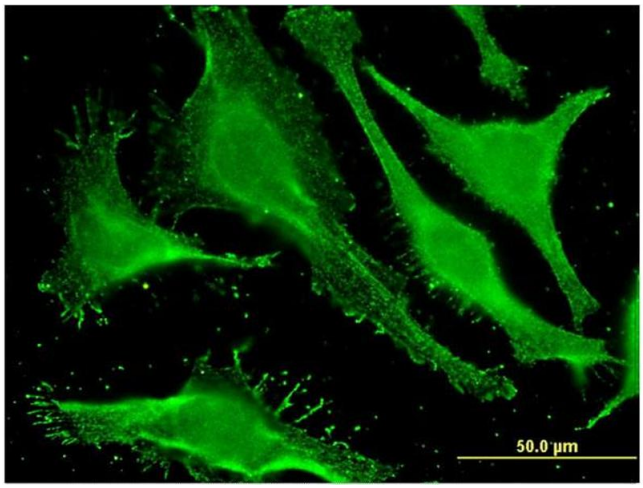
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Images



ELISA

Image 1. Detection limit for recombinant GST tagged STON1 is 1 ng/ml as a capture antibody.



Immunofluorescence

Image 2. Immunofluorescence of monoclonal antibody to STON1 on HeLa cell. [antibody concentration 10 ug/ml]

Validation report #101553 for Immunofluorescence (IF)

Successfully validated (Immunofluorescence (IF))

by Lab of Prof. Dr. S.A. Kushner, Department of Psychiatry, Erasmus University Medical Center

Report Number: 101553

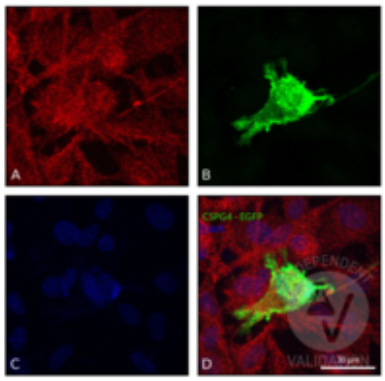
Date: Jan 12 2018

Target:	STON1
Lot Number:	08242-1F3
Method validated:	Immunofluorescence (IF)
Positive Control:	U-373 cell line (human glioblastoma astrocytoma)
Negative Control:	secondary only
Notes:	The STON1 antibody ABIN524426 specifically labels the targeted antigen in sample in IF.
Primary Antibody:	ABIN524426
Secondary Antibody:	donkey anti-mouse A647-conjugated antibody (Sanbio, 715-605-150)
Protocol:	• Grow U-373 cells (human glioblastoma astrocytoma) in DMEM, high glucose, glutamax (Gibco, product number: 31966-021, lot number: 1894785 supplemented with Fetal Bovine Serum (Gibco, 10082-147, lot 1907451) and penicillin streptomycin (Gibco, 15140-122, lot 1910857), at 37°C and 5% CO_2 in 2ml on a coverslips. • Transfect cells with aCSPG4-GFP expression plasmid using X-tremeGENE HP (Sigma) accoding to the manufacturer's recommendations. • Fix cells on coverslips in 4% PFA for 20min at RT. • Wash cells 3x for 5min with PBS. • Wash coverslips for 5min with staining solution (50mM TrisHCl pH7.4, 154mM NaCl, 0.25% w/v gelatine, 5% v/v triton x-100). • Incubate cells with primary mouse anti-human STON1 antibodylavivirus (antibodies-online, ABIN524426, lot 08242-1F3) diluted 1:100 in staining solution ON at 4°C. • Wash cells 3x for 5min with PBS. • Incubate cells with secondary donkey anti-mouse A647-conjugated antibody (Sanbio, 715-605-150) diluted 1:200 in staining solution for 1.5h at RT. • Wash cells 2x for 5min with PBS. • DAPI counterstain. • Mount coverslips on glass slides in Mowiol 4-88 antifade reagent (Sigma, 81381, lot BCBL1789V). • Image acquisition with LSM 700, 63x magnification, 1024x1024 resolution.
Experimental Notes:	• ABIN524426 was used in cells overexpressing CSPG4 fused to GFP. Stonin is expected to be

abundantly expressed in the cells.

- No signal was detected in the secondary antibody only control (not shown).

Image for Validation report #101553



Validation image no. 1 for anti-Stonin 1 (STON1) (AA 529-620) antibody (ABIN524426)

Immunostaining of human U-373 glioblastoma cells with ABIN524426 (red, A). Plasma membranes (green, B) and nuclei (blue, C) are visualized through overexpression of a CSPG4-GFP fusion protein and DAPI. D shows a merged image of the different channels. Z-projection of image taken at 63x