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Datasheet for ABIN6265775
anti-TSPO antibody (C-Term)

3 Images

Overview

Quantity:	100 µL
Target:	TSPO
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSPO antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human TSPO, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	TSPO Antibody detects endogenous levels of total TSPO.
Predicted Reactivity:	Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	TSPO
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Target Details

Alternative Name: [TSPO \(TSPO Products\)](#)

Background: Description: Can bind protoporphyrin IX and may play a role in the transport of porphyrins and heme (By similarity). Promotes the transport of cholesterol across mitochondrial membranes and may play a role in lipid metabolism (PubMed:24814875), but its precise physiological role is controversial. It is apparently not required for steroid hormone biosynthesis. Was initially identified as peripheral-type benzodiazepine receptor, can also bind isoquinoline carboxamides (PubMed:1847678).

Gene: TSPO

Molecular Weight: 19 kDa

Gene ID: 706

UniProt: [P30536](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

Application Details

Application Notes: WB 1:1000-3000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000

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.

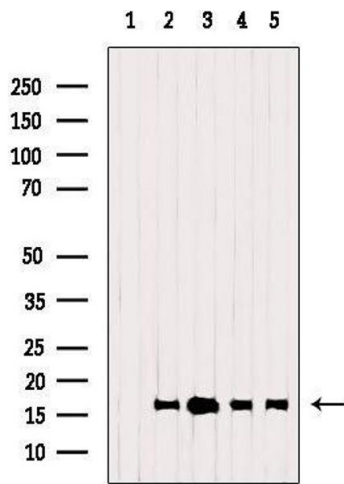
Preservative: Sodium azide

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

Storage: -20 °C

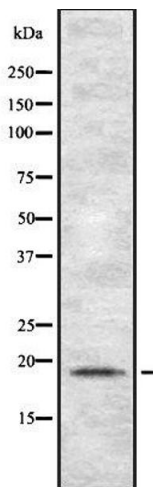
Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

Expiry Date: 12 months



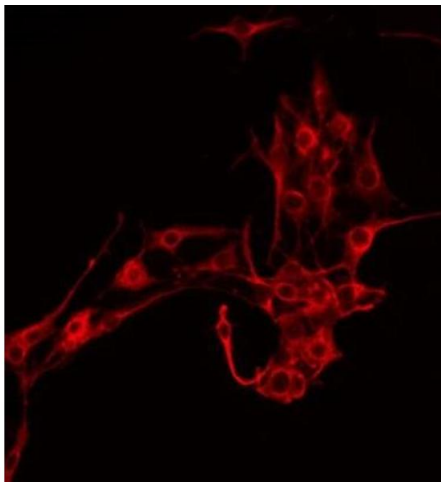
Western Blotting

Image 1. Western blot analysis of extracts from various samples, using TSP0 Antibody. Lane 1: Mouse spleen treated with blocking peptide; Lane 2: Mouse spleen; Lane 3: HepG2; Lane 4: 3T3; Lane 5: Hela.



Western Blotting

Image 2. Western blot analysis of TSP0 using Jurkat whole cell lysates



Immunofluorescence (fixed cells)

Image 3. ABIN6278239 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody