

For Research Use Only

TSPO Monoclonal antibody, PBS Only

Catalog Number: 68137-1-PBS



Basic Information

Catalog Number: 68137-1-PBS	GenBank Accession Number: BC001110	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 706	CloneNo.: 1D1F12
Source: Mouse	UNIPROT ID: P30536	
Isotype: IgM	Full Name: translocator protein (18kDa)	
Immunogen Catalog Number: AG7475	Calculated MW: 18 kDa	
	Observed MW: 18 kDa	

Applications

Tested Applications:
ELISA, IF/ICC, WB

Species Specificity:
rat, mouse, human

Background Information

TSPO encodes the translocator protein, belonging to tryptophan-rich sensory protein family. The protein is mainly localized in the outer mitochondrial membrane and expressed in steroid-synthesizing tissues (PMID:32881658, PMID:1326278). TSPO is involved in the translocation of cholesterol from the outer to inner mitochondrial membrane (PMID:21119734). In response to injury, TSPO has a upregulated expression in the peripheral nervous system (PMID:32423330, PMID:23251719). TSPO is also as a biomarker in a non-invasive procedure including detecting the inflammation in the heart and atherosclerotic plaques (PMID:24402571).

Storage

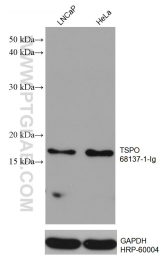
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

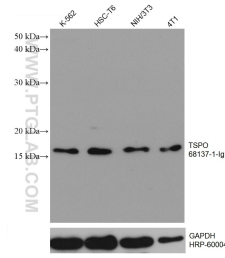
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

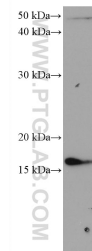
Selected Validation Data



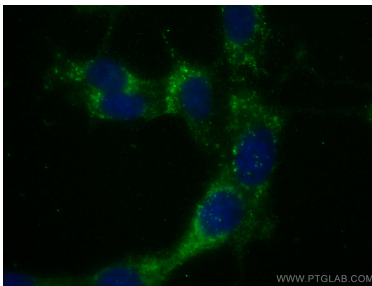
Various lysates were subjected to SDS PAGE followed by western blot with 68137-1-Ig (TSPO/PBR antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68137-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 68137-1-Ig (TSPO/PBR antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68137-1-PBS in a different storage buffer formulation.



Jurkat cells were subjected to SDS PAGE followed by western blot with 68137-1-Ig (TSPO/PBR antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68137-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using TSPO/PBR antibody (68137-1-Ig, Clone: 1D1F12) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68137-1-PBS in a different storage buffer formulation.