

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: 1 mg/ml	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:
WB,IF,ELISA

Species Specificity:
Human, mouse, rat

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:

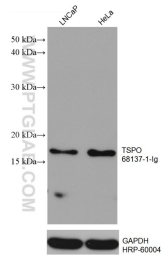
T: 4006900926

E: Proteintech-CN@ptglab.com

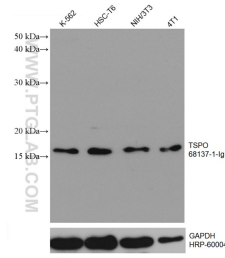
W: ptgcn.com

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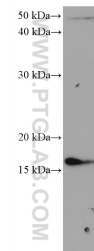
Selected Validation Data



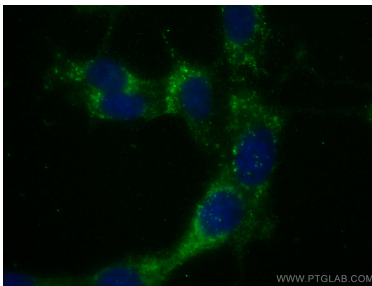
Various lysates were subjected to SDS PAGE followed by western blot with 68137-1-Ig (TSPO/PBR antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was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



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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.