

TSPO Monoclonal antibody, PBS Only

Catalog Number: 68137-1-PBS

Basic Information

Catalog Number:

68137-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgM

Immunogen Catalog Number:

AG7475

GenBank Accession Number:

BC001110

GeneID (NCBI):

706

UNIPROT ID:

P30536

Full Name:

translocator protein (18kDa)

Calculated MW:

18 kDa

Observed MW:

18 kDa

Purification Method:

Protein A purification

CloneNo.:

1D1F12

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:

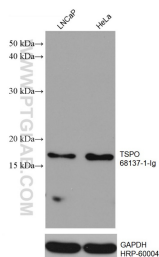
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

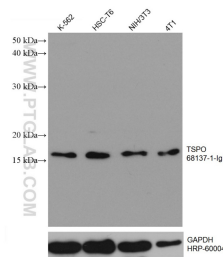
Storage Buffer:

PBS Only

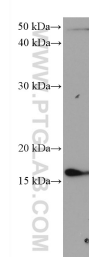
Selected Validation Data



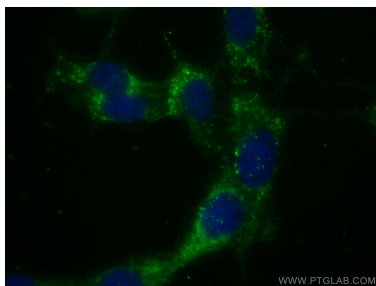
Various lysates were subjected to SDS PAGE followed by western blot with 68137-1-Ig (TSPO/PBR antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was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