



TSPO Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to amino acids 124-169 of Human TSPO.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2719272

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	4 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunocytochemistry (ICC/IF)	1:200	-

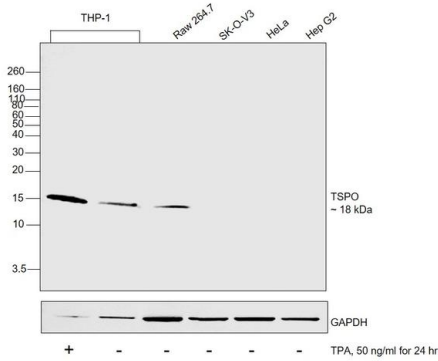
Product Specific Information

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Product Images For TSPO Polyclonal Antibody

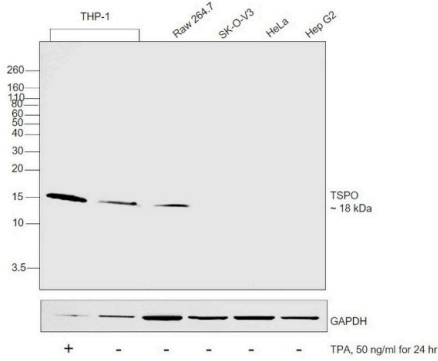
TSPO Antibody (PA5-75544) in WB

Western blot was performed using TSPO Recombinant Rabbit Monoclonal Antibody (Product # PA5-75544) and a 18 kDa band corresponding to TSPO was observed across cell lines tested and increased upon TPA treatment in THP-1; the expression was low to nil in SK-OV-3, HeLa and Hep G2. Membrane enriched extracts (30 µg lysate) of THP-1 treated with TPA (50 ng/mL for 24 Hours) (Lane 1), THP-1 (Lane 2), Raw 264.7 (Lane 3), SK-O-V3 (Lane 4), HeLa (Lane 5) and HepG2 (Lane 6) were electrophoresed using Novex® NuPAGE® 16 % Tricine gel (Product # EC6695BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1: 500 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



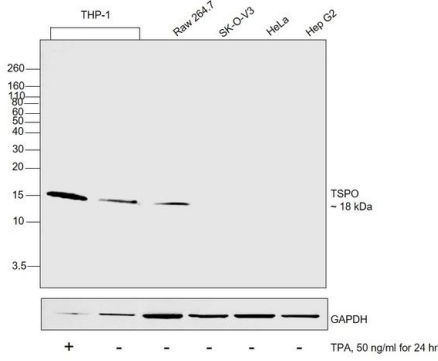
TSPO Antibody (PA5-75544)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue tested owing to their inherent genetic constitution. Relative expression of TSPO was observed in THP1, Raw 264.7 in comparison to SK-O-V3, HeLa and HepG2 using TSPO Polyclonal Antibody (Product # PA5-75544) in Western Blot. {RE}



TSPO Antibody (PA5-75544)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using TTSPPO Polyclonal Antibody (Product # PA5-75544), shows increased expression of proteins in THP-1 cell line upon TPA treatment. {TM}



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Western Blot (4)

<p>Cells</p> <p>Neurogenic Potential of the 18-kDa Mitochondrial Translocator Protein (TSPO) in Pluripotent P19 Stem Cells.</p> <p>"PA5-75544 was used in Western Blotting to study changes in cell morphology, cell proliferation, cell death, the cell cycle, mitochondrial functionality, and the levels of pluripotency and neurogenesis of P19 stem cells treated with the TSPO ligand, PK 11195, in comparison to differentiation induced by retinoid acid (RA) and undifferentiated P19 stem cells."</p> <p>Authors: González-Blanco L,Bermejo-Millo JC,Oliveira G,Potes Y,Antuña E,Menéndez-Valle I,Vega-Naredo I,Coto-Montes A,Caballero B</p>	<p>Year 2021</p> <p>Species Mouse</p> <p>Dilution 1:1,000</p>
<p>ACS omega</p> <p>Amyloid and Tau Induce Cell Death Independently of TSPO Polymerization and Density Changes.</p> <p>"PA5-75544 was used in Western Blotting to determine the effects of A, Tau, and TSPO antagonists on proliferation/cell death and TSPO polymerization in the C6 astrocytic cell line."</p> <p>Authors: Tournier BB,Ceyzériat K,Bouteldja FN,Millet P</p>	<p>Year 2021</p> <p>Species Rat</p>

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Immunohistochemistry (1)

<p>PloS one</p> <p>The peroxisome proliferator-activated receptor gamma (PPAR) agonist, rosiglitazone, ameliorates neurofunctional and neuroinflammatory abnormalities in a rat model of Gulf War Illness.</p> <p>"Published figure using TSPO polyclonal antibody (Product # PA5-75544) in Immunohistochemistry"</p> <p>Authors: Keledjian K,Tsymbalyuk O,Semick S,Moyer M,Negoita S,Kim K,Ivanova S,Gerzanich V,Simard JM</p>	<p>Year 2021</p> <p>Species Rat</p> <p>Dilution 1:100</p>
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Immunohistochemistry (PFA fixed) (1)

<p>PloS one</p> <p>The peroxisome proliferator-activated receptor gamma (PPAR) agonist, rosiglitazone, ameliorates neurofunctional and neuroinflammatory abnormalities in a rat model of Gulf War Illness.</p> <p>"Published figure using TSPO polyclonal antibody (Product # PA5-75544) in Immunohistochemistry"</p> <p>Authors: Keledjian K,Tsymbalyuk O,Semick S,Moyer M,Negoita S,Kim K,Ivanova S,Gerzanich V,Simard JM</p>	<p>Year 2021</p> <p>Species Rat</p> <p>Dilution 1:100</p>
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