
Product Name: KD-Validated Translocator Protein Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01336**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,000-1:10,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 18.8kDa

Antigen Information

Gene Name	TSPO
Alternative Names	TSPO; Translocator Protein; PKBS; PBR; MBR; TSPO1; MDRC; Pk18; BZRP; DBI; IBP; Peripheral-Type Benzodiazepine Receptor; Mitochondrial Benzodiazepine Receptor; Putative Peripheral Benzodiazepine Receptor-Related Protein; Peripheral-Type Benzodiazepine Receptor/Recognition Site; Benzodiazepine Peripheral Binding Site; Benzodiazepine Receptor (Peripheral); Translocator Protein (18kDa); BPBS; PTBR; PBRs; PBS
Gene ID	706.0
SwissProt ID	P30536
Immunogen	A synthesized peptide derived from human PBR

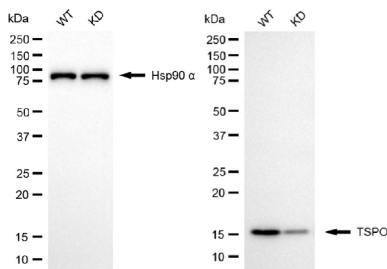
Background

Present mainly in the mitochondrial compartment of peripheral tissues, the protein encoded by this gene interacts with some benzodiazepines and has different affinities than its endogenous counterpart. The protein is a key factor in the flow of cholesterol into mitochondria to permit the initiation of steroid hormone synthesis. Alternatively spliced transcript variants have been reported; one of the variants lacks an internal exon and is considered non-coding, and the other variants encode the same protein. [provided by RefSeq, Feb 2012]

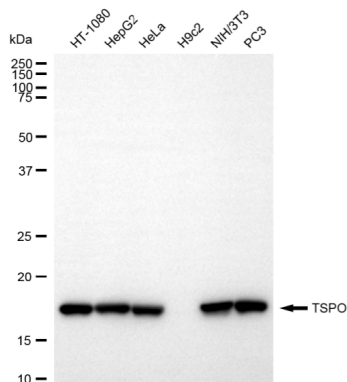
Research Area

Cardiovascular, Signal Transduction, Cell Biology, Metabolism, Cancer, Neuroscience

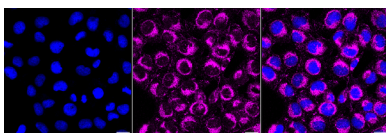
Image Data



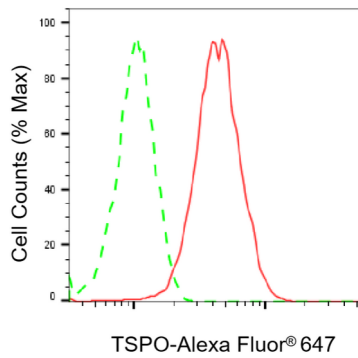
Western blotting analysis using TSPO antibody (KVA01336). TSPO expression in wild type (WT) and TSPO knockdown (KD) HSHC cells with 10 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with TSPO antibody (KVA01336, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using TSPO antibody (KVA01336). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with TSPO antibody (KVA01336, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with TSPO antibody (KVA01336, 1:1,000). Nuclei were stained blue with DAPI; TSPO was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of TSPO expression in HT-1080 cells using TSPO antibody (KVA01336, 1:2,000). Green, isotype control; red, TSPO.