



POLYCLONAL ANTIBODY

For research use only, Not for diagnostic use.

Catalog No. ICA-TG5-RBP1

Anti mouse TSPO [Translocator protein]

BACKGROUND

Translocator protein (TSPO) is an 18 kDa protein mainly found on the outer mitochondrial membrane. It interacts with StAR (steroidogenic acute regulatory protein) to transport cholesterol into mitochondria. It was first described as peripheral benzodiazepine receptor (PBR), a secondary binding site for diazepam, but subsequent research has found the receptor to be expressed throughout the body and brain. In humans, the translocator protein is encoded by the TSPO gene. It belongs to family of tryptophan-rich sensory proteins.

Product type	Primary antibody
Immunogen	ICANtibodies™ encoding mouse TSPO full length nucleic acid sequence
Host Species	Rabbit
Fusion Partner	-
Clone Designation	-
Isotype	-
Source	Whole Serum
Purification	-
Formulation Buffer /Form	Liquid (Preservative : None)
Concentration	-
Volume	50 µL
Label	Unlabeled
Specificity	mouse TSPO
Cross species reactivity	Other species is not tested.
Storage Conditions	Store at -20°C (at -70°C for prolonged storage). Aliquot to avoid cycles of freeze/thaw. Storage Instructions : Prepare fresh working dilution before use. Avoid repeated freezing and thawing cycles (it is advisable to make aliquots before storage). Alternatively, add an equal volume of glycerol (ACS grade or better) for a final concentration of 50% and store at -20°C as a liquid. Note : Adding glycerol reduces the stated protein concentration and dilution range by one-half

Application notes	• Flow cytometry: 1/200
Recommended dilutions	• IHC: 1/20

Other applications have not been tested.
Optimal dilutions/concentrations should be determined by the end user.

References	-
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ANTIBODY CHARACTERIZATION

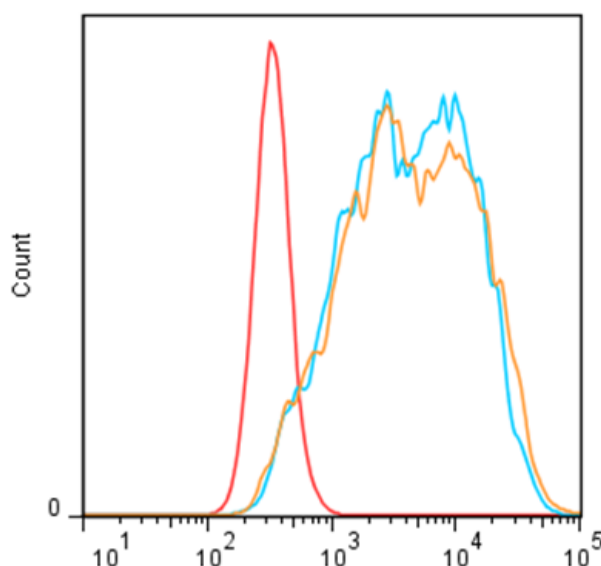


Fig.1 Flow cytometry: Untransfected (red) and transfected with ICAFectin[®] 441 and plasmid encoding mouse TSPO HeLa cells were fixed, 24h post transfection, permeabilized and stained with rabbit anti-mouse TSPO polyclonal antibodies diluted at 1/100 (orange) and at 1/200 (blue) and R-PE goat anti rabbit IgG secondary antibody at the dilution 1/200.

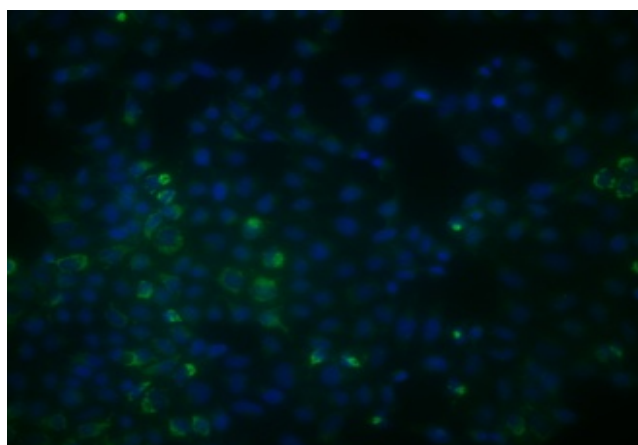


Fig.2 Immunohistochemistry: HeLa cells transfected with ICAFectin[®] 441 and plasmid encoding mouse TSPO were fixed 24h post transfection, permeabilized and stained with rabbit anti-mouse TSPO Polyclonal Antibodies diluted 1/20 and Alexa488 goat anti rabbit IgG secondary antibody at dilution 1/1000. Nuclei were counterstained with DAPI in blue.

Developed by In-Cell-Art



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