



Human TSPO blocking peptide (CDBP3095)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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|---------------------|---|
| Product Overview | Blocking/Immunizing peptide for anti-TSPO/PBR (isoform) antibody |
| Antigen Description | 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] |
| Species | Human |
| Conjugate | Unconjugated |
| Applications | Apuri, BL, ELISA |
| Format | Lyophilized powder |
| Size | 100 µg |
| Preservative | None |
| Storage | Shipped at ambient temperature, store at -20°C. |

GENE INFORMATION

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|-----------------|--|
| Gene Name | TSPO translocator protein (18kDa) [Homo sapiens (human)] |
| Official Symbol | TSPO |
| Synonyms | TSPO; translocator protein (18kDa); DBI; IBP; MBR; PBR; PBS; BPBS; BZRP; PKBS; PTBR; mDRC; pk18; translocator protein; mitochondrial benzodiazepine receptor; benzodiazepine |

peripheral binding site; peripheral-type benzodiazepine receptor;

| | |
|----------------------------|---|
| Entrez Gene ID | 706 |
| mRNA Refseq | NM_000714.5 |
| Protein Refseq | NP_000705.2 |
| UniProt ID | O76068 |
| Chromosome Location | 22q13.31 |
| Pathway | HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; |
| Function | androgen binding; benzodiazepine receptor activity; cholesterol binding; |
