

## Product datasheet for **AP22540PU-N**

### **PBR (TSPO) (156-169) Goat Polyclonal Antibody**

#### **Product data:**

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | ELISA, IHC, WB  |
| Recommended Dilution: | <b>ELISA:</b> 1/128000.<br><b>Immunohistochemistry on Paraffin Sections:</b> 2.5 µg/ml.<br><b>Western Blot.</b>   |
| Reactivity:           | Human   |
| Host:                 | Goat  |
| Clonality:            | Polyclonal  |
| Immunogen:            | Synthetic peptide from C-term of human TSPO   |
| Specificity:          | This antibody detects TSPO / BZRP (C-term).<br>It is expected to recognise one isoform (NP_000705.2) only.  |
| Formulation:          | Tris saline buffer, pH 7.3, 0.5% BSA, 0.02% sodium azide<br>State: Aff - Purified<br>State: Liquid Ig fraction  |
| Concentration:        | lot specific  |
| Purification:         | Immunoaffinity chromatography   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.  |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | translocator protein  |
| Database Link:        | <a href="#">Entrez Gene 706 Human P30536</a>  |
| 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. |
| Synonyms:             | MBR, Translocator protein, Peripheral-type benzodiazepine receptor, PKBS, PBR   |

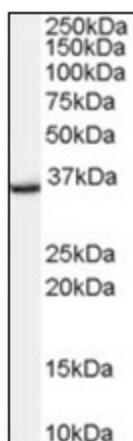


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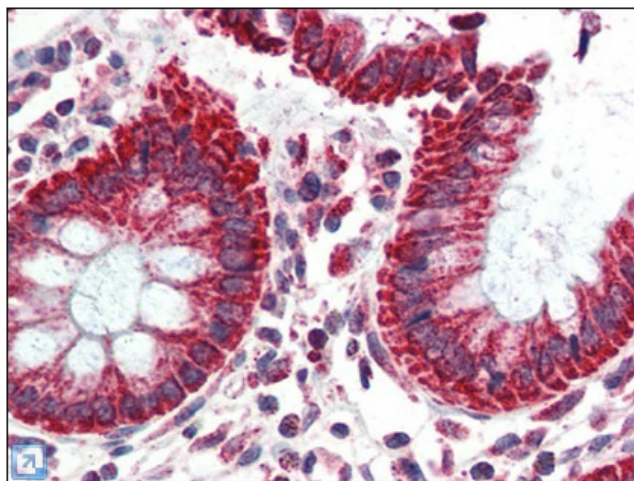
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

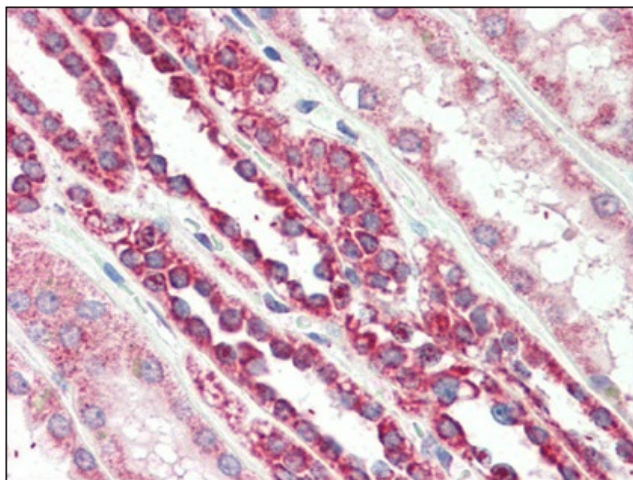
### Product images:



Antibody (0.1 ug/ml) staining of Human Brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Human Colon (formalin-fixed, paraffin-embedded) stained with TSPO antibody at 2.5 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Kidney (formalin-fixed, paraffin-embedded) stained with TSPO antibody at 2.5 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.