

# Product Datasheet

## PBR Antibody (EPR5384) NBP1-95674

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-95674**

PBR Antibody (EPR5384)

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	EPR5384
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Tissue culture supernatant
Buffer	49% PBS, 0.05% BSA and 50% Glycerol
Product Description	
Host	Rabbit
Gene ID	706
Gene Symbol	TSPO
Species	Human, Mouse, Rat
Reactivity Notes	Mouse cross reactivity tested by western blot and Immunohistochemistry. Rat cross reactivity tested by Western Blot only. Rat reactivity reported in scientific literature (PMID: 24621017)
Immunogen	A synthetic peptide corresponding to residues in C-terminus of human TSPO was used as an immunogen.
Notes	Produced using Abcam's RabMab® technology. RabMab® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:10000-50000, Flow Cytometry 1:100-500, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:50-100, Immunoprecipitation 1:10-100, Immunohistochemistry-Paraffin 1:100-250, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	Use in Immunohistochemistry-Frozen reported in scientific literature (PMID 24621017)



## Publications

Porret E, Kereselidze D, Dauba A et al. Refining the delivery and therapeutic efficacy of cetuximab using focused ultrasound in a mouse model of glioblastoma: an <sup>89</sup>Zr-cetuximab immunoPET study *European journal of pharmaceuticals and biopharmaceutics : official journal of Arbeitsgemeinschaft fur Pharmazeutische Verfahrenstechnik e.V* 2022-12-15 [PMID: 36529256] (IHC-Fr, Mouse)

Hellberg S, Liljenback H, Eskola O et al. Positron Emission Tomography Imaging of Macrophages in Atherosclerosis with <sup>18</sup>F-GE-180, a Radiotracer for Translocator Protein (TSPO) *Contrast Media Mol Imaging* 2018-06-29 [PMID: 29950954]

Backhaus P, Roll W, Beuker C et al. Initial experience with [<sup>18</sup>F]DPA-714 TSPO-PET to image inflammation in primary angiitis of the central nervous system *Eur. J. Nucl. Med. Mol. Imaging* 2020-01-20 [PMID: 31960097]

Klein B, Mrowetz H, Barker CM et al. Age Influences Microglial Activation After Cuprizone-Induced Demyelination. *Front Aging Neurosci.* 2018-09-20 [PMID: 30297998] (IF/IHC, Mouse)

Calevro A, Cotel MC, Natesan S et al. Effects of chronic antipsychotic drug exposure on the expression of Translocator Protein and inflammatory markers in rat adipose tissue *Psychoneuroendocrinology* 2018-05-16 [PMID: 29793094] (Rat)

Zinnhardt B, Pigeon H, Theze B et al. Combined PET imaging of the inflammatory tumor microenvironment identifies margins of unique radiotracer uptake. *Cancer Res.* 2017-01-30 [PMID: 28137769] (IHC-P, Mouse)

Domene A, Cavanagh C, Page G et al. Expression of Phenotypic Astrocyte Marker Is Increased in a Transgenic Mouse Model of Alzheimer's Disease versus Age-Matched Controls: A Presymptomatic Stage Study. *Int J Alzheimers Dis.* 2016-09-27 [PMID: 27672476] (Mouse)

Hellberg S, Silvola JM, Kiugel M et al. 18-kDa translocator protein ligand <sup>18</sup>F-FEMPA: Biodistribution and uptake into atherosclerotic plaques in mice. *J Nucl Cardiol.* 2016-05-25 [PMID: 27225517] (IF/IHC, Mouse)

Gargiulo S, Anzilotti S, Coda AR et al. Imaging of brain TSPO expression in a mouse model of amyotrophic lateral sclerosis with (<sup>18</sup>F)-DPA-714 and micro-PET/CT. *Eur. J. Nucl. Med. Mol. Imaging.* 2016-01-27 [PMID: 26816193] (IHC-Fr, Mouse)

Zinnhardt B, Viel T, Wachsmuth L et al. Multimodal imaging reveals temporal and spatial microglia and matrix metalloproteinase activity after experimental stroke *J. Cereb. Blood Flow Metab.* 2015-07-01 [PMID: 26126867] (IHC-P, Mouse)

Serriere S, Tauber C, Vercouillie J et al. Amyloid load and translocator protein 18 kDa in APP<sup>swe</sup>PS1-dE9 mice: a longitudinal study *Neurobiol. Aging.* 2015-01-16 [PMID: 25680265] (WB, IHC-Fr, Mouse)

Bae KR, Shim HJ, Balu D et al. Translocator Protein 18 kDa Negatively Regulates Inflammation in Microglia. *J Neuroimmune Pharmacol* 2014-04-01 [PMID: 24687172] (ICC/IF, WB, IHC-Fr, Mouse)

More publications at <http://www.novusbio.com/NBP1-95674>





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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