

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, Kereslidze D, Dauba A et al. Refining the delivery and therapeutic efficacy of cetuximab using focused ultrasound in a mouse model of glioblastoma: an ⁸⁹Zr-cetuximab immunoPET study European journal of pharmaceutics 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 ¹⁸F-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 ^{[18]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 ¹⁸F-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 ^{(18)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 APPswePS1-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)

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Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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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