

Product datasheet

Anti-Pentraxin 3/PTX3 antibody [MNB1] ab90806

Recombinant

[18 References](#) [4 Images](#)

Overview

Product name	Anti-Pentraxin 3/PTX3 antibody [MNB1]
Description	Rat monoclonal [MNB1] to Pentraxin 3/PTX3
Host species	Rat
Tested applications	Suitable for: WB, IHC-Fr Unsuitable for: ICC
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant full length protein corresponding to Human Pentraxin 3/PTX3.
Positive control	WB: HUVEC, 3T3-L1 and MDA-MB-231 whole cell lysate. LPS, Brefeldin treated HUVEC whole cell lysate. Mouse and rat placenta tissue lysate. IHC-Fr: Mouse and rat placenta tissue.
General notes	<p>This product has switched from a hybridoma to recombinant production method on 10th December 2020.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	MNB1
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab90806 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 41 kDa (predicted molecular weight: 41 kDa).
IHC-Fr		1/20.

Application notes

Is unsuitable for ICC.

Target

Function

Plays a role in the regulation of innate resistance to pathogens, inflammatory reactions, possibly clearance of self-components and female fertility.

Sequence similarities

Contains 1 pentaxin domain.

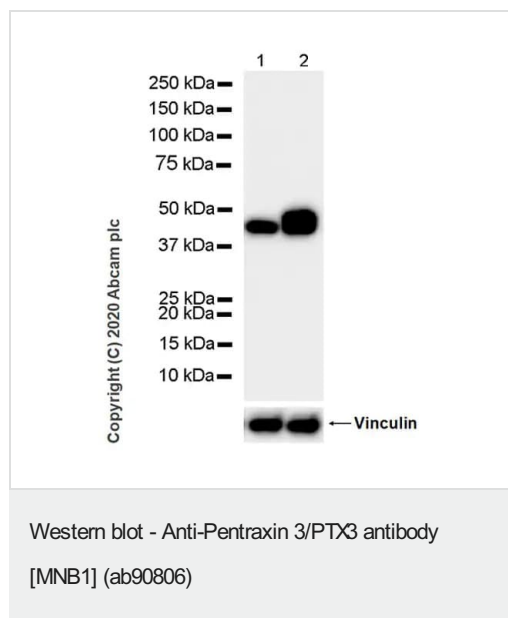
Post-translational modifications

Glycosylated.

Cellular localization

Secreted.

Images



All lanes : Anti-Pentraxin 3/PTX3 antibody [MNB1] (ab90806) at 1/1000 dilution

Lane 1 : Untreated HUVEC (human umbilical vein endothelial cell) whole cell lysate

Lane 2 : HUVEC treated with 0.5ug/ml Lipopolysaccharides(LPS) for 4 hours and then added 300 ng/ml Brefeldin A for another 20 hours, whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

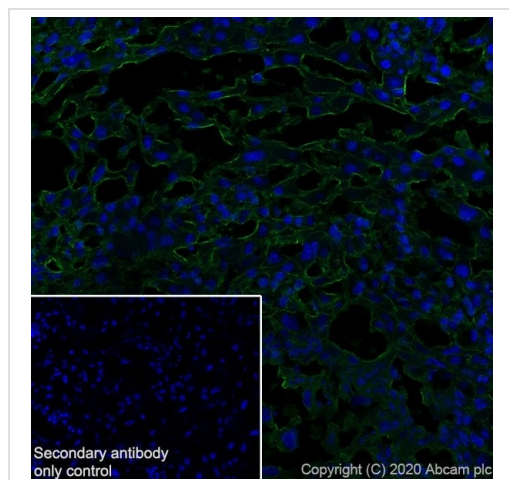
All lanes : Goat Anti-Rat IgG H&L (HRP) (**ab205720**) at 1/5000 dilution

Predicted band size: 41 kDa

Exposure time: 15 seconds

The expression profile observed is consistent with what has been described in the literature (PMID:17389238).

Blocking/Dilution buffer: 5% NFD/MTBST.

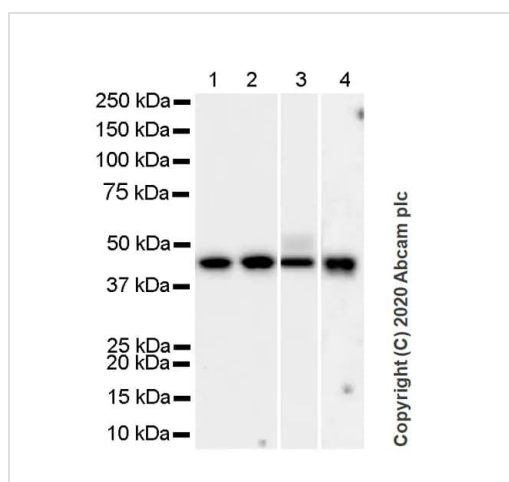


Immunohistochemistry (Frozen sections) - Anti-Pentraxin 3/PTX3 antibody [MNB1] (ab90806)

Immunohistochemical analysis of 4% PFA fixed 0.2% Triton X-100 permeabilized frozen mouse placenta tissue labeling Pentraxin 3/PTX3 with ab90806 at 1/20 dilution followed by **ab150157** Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution. Positive staining on mouse placenta was observed. Nuclear counterstain is DAPI (Blue).

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody was **ab150157** Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.



Western blot - Anti-Pentraxin 3/PTX3 antibody [MNB1] (ab90806)

All lanes : Anti-Pentraxin 3/PTX3 antibody [MNB1] (ab90806) at 1/1000 dilution

Lane 1 : MDA-MB-231 (human breast adenocarcinoma epithelial cell), whole cell lysate

Lane 2 : Mouse placenta tissue lysate

Lane 3 : Rat placenta tissue lysate

Lane 4 : 3T3-L1 (mouse embryonic fibroblast), whole cell lysate

Lysates/proteins at 20 µg per lane.

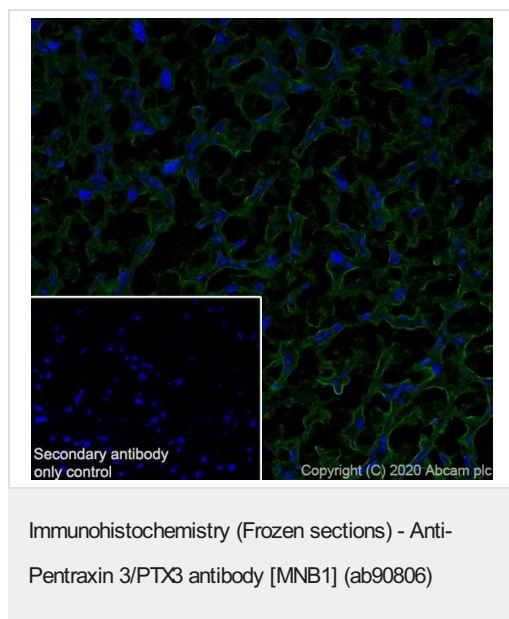
Secondary

All lanes : Goat Anti-Rat IgG H&L (HRP) (**ab205720**) at 1/5000 dilution

Predicted band size: 41 kDa

Blocking/Dilution buffer: 5% NFD/MTBST.

Exposure times: Lane 1, 2: 15 seconds; Lane 3: 3 seconds; Lane 4: 180 seconds.



Immunohistochemical analysis of 4% PFA fixed 0.2% Triton X-100 permeabilized frozen rat placenta tissue labeling Pentraxin 3/PTX3 with ab90806 at 1/20 dilution followed by **ab150157** Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution. Positive staining on rat placenta was observed. Nuclear counterstain is DAPI (Blue). Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody was **ab150157** Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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