

Anti-NLRP7 antibody ab105405

[1 References](#) [3 Images](#)

Overview

Product name	Anti-NLRP7 antibody
Description	Rabbit polyclonal to NLRP7
Host species	Rabbit
Specificity	At least four isoforms of NLRP7 are known to exist; this antibody will recognize all of them. This antibody is predicted to not cross-react with other NLRP family members.
Tested applications	Suitable for: IHC-P, ICC/IF, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human NLRP7 (N terminal). Database link: Q8WX94
Positive control	Human brain tissue lysate, K562 cell lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab105405 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
IHC-P		Use a concentration of 10 µg/ml.
ICC/IF		Use a concentration of 20 µg/ml.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 112 kDa.

Target

Function

Inhibits CASP1/caspase-1-dependent IL1B secretion.

Tissue specificity

Expressed in numerous tissues including uterus and ovary, with low levels in heart and brain. Not detected in skeletal muscle.

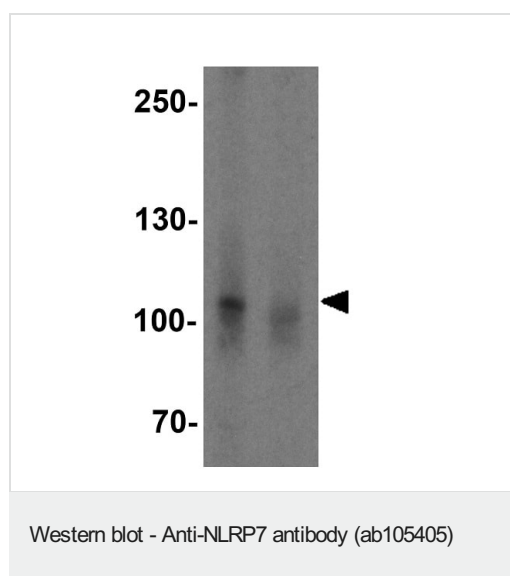
Involvement in disease

Defects in NLRP7 are the cause of hydatidiform mole (HYDM) [MIM:231090]. HYDM is an abnormal human pregnancy with no embryo and cystic degeneration of placental villi.

Sequence similarities

Belongs to the NLRP family.
Contains 1 DAPIN domain.
Contains 9 LRR (leucine-rich) repeats.
Contains 1 NACHT domain.

Images

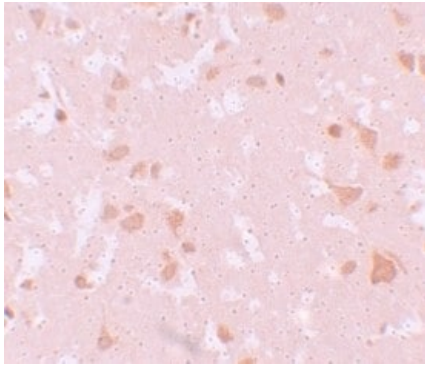


All lanes : Anti-NLRP7 antibody (ab105405) at 2 µg/ml

Lane 1 : K562 cell lysate

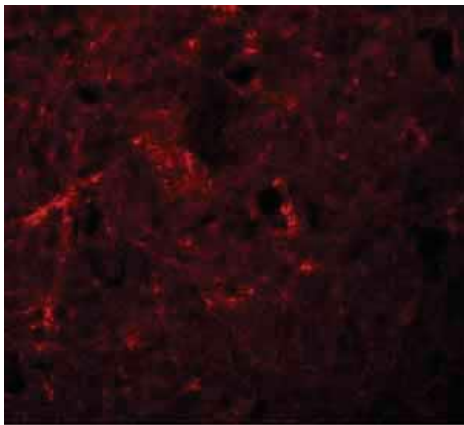
Lane 2 : K562 cell lysate with Blocking peptide

Predicted band size: 112 kDa



Immunohistochemistry of Human brain tissue with ab105405 at 10 $\mu\text{g/mL}$.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NLRP7 antibody (ab105405)



Immunofluorescence of NLRP7 in Human brain tissue with ab105405 at 20 $\mu\text{g/mL}$.

Immunocytochemistry/ Immunofluorescence - Anti-NLRP7 antibody (ab105405)

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

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