

Product datasheet

Anti-IRG1 antibody [EPR22066] ab222411

Recombinant RabMAb

★★★★★ 4 Abreviews 5 References 3 Images

Overview

Product name	Anti-IRG1 antibody [EPR22066]
Description	Rabbit monoclonal [EPR22066] to IRG1
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: RAW 264.7 (treated with 100 ng/ml lipopolysaccharide (LPS) for 4 hours) and THP-1 (treated with 100 ng/ml phorbol-12-myristate-13-acetate (PMA) for 72 hours, then with 1 µg/ml LPS after 52 hours) whole cell lysates. IP: THP-1 (treated with 100 ng/ml phorbol-12-myristate-13-acetate (PMA) for 72 hours, then with 1 µg/ml LPS added for 16 hours) whole cell lysate.
General notes	<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> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22066

Isotype

IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab222411 in the following tested applications.

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

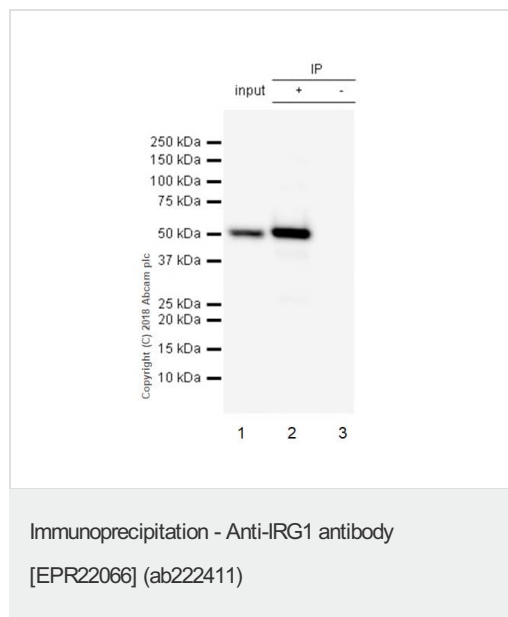
Application	Abreviews	Notes
WB	★★★★★ (2)	1/1000. Detects a band of approximately 50 kDa (predicted molecular weight: 53 kDa).
IP		1/30.

Target

Sequence similarities

Belongs to the prpD family.

Images



IRG1 was immunoprecipitated from 0.35 mg of THP-1 (human monocytic leukemia cell line)(treated with 100 ng/ml phorbol-12-myristate-13-acetate (PMA) for 72 hours, then with 1 µg/ml LPS added for 16 hours) whole cell lysate with ab222411 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab222411 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used for detection at 1/5000 dilution.

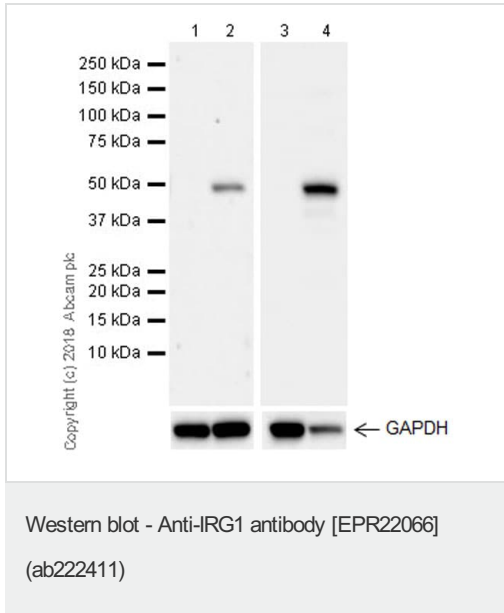
Lane 1: THP-1 (treated with PMA/LPS) whole cell lysate, 10 µg (Input).

Lane 2: ab222411 IP in THP-1 (treated with PMA/LPS) whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab222411 in THP-1 (treated with PMA/LPS) whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 8 seconds.



All lanes : Anti-IRG1 antibody [EPR22066] (ab222411) at 1/1000 dilution

Lane 1 : Untreated RAW 264.7 (mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate

Lane 2 : RAW 264.7 (treated with 100 ng/ml lipopolysaccharide (LPS) for 4 hours) whole cell lysate

Lane 3 : Untreated THP-1 (human monocytic leukemia cell line) whole cell lysate

Lane 4 : THP-1 (treated with 100 ng/ml phorbol-12-myristate-13-acetate (PMA) for 72 hours, then with 1 µg/ml LPS after 52 hours) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 53 kDa

Observed band size: 50 kDa

Blocking and dilution buffer: 5% NFDm/TBST.

Exposure times.

Lanes 1 & 2: 3 minutes.

Lanes 3 & 4: 8 seconds.

The molecular mass observed is consistent with what has been described in the literature (PMID: 23610393 and PMID: 28699638).

The protein is up-regulated after lipopolysaccharide (LPS) stimulation (PMID: 25640654 and PMID: 26679997).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-IRG1 antibody [EPR22066] (ab222411)

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

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