

OAS3 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF4078a**Specification**

OAS3 Antibody (internal region) - Product Information

Application	WB
Primary Accession	O9Y6K5
Other Accession	NP_006178.2 , 4940
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	121170

OAS3 Antibody (internal region) - Additional Information**Gene ID** 4940**Other Names**

2'-5'-oligoadenylate synthase 3, (2-5')oligo(A) synthase 3, 2-5A synthase 3, 2.7.7.84, p100 OAS, p100OAS, OAS3

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

OAS3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

OAS3 Antibody (internal region) - Protein Information**Name** OAS3**Function**

Interferon-induced, dsRNA-activated antiviral enzyme which plays a critical role in cellular innate antiviral response. In addition, it may also play a role in other cellular processes such as apoptosis, cell growth, differentiation and gene regulation. Synthesizes preferentially dimers of 2'-5'-oligoadenylates (2-5A) from ATP which then bind to the inactive monomeric form of ribonuclease L (RNase L) leading to its dimerization and subsequent activation. Activation of RNase L leads to degradation of cellular as well as viral RNA, resulting in the inhibition of protein synthesis, thus terminating viral replication. Can mediate the antiviral effect via the classical

RNase L-dependent pathway or an alternative antiviral pathway independent of RNase L. Displays antiviral activity against Chikungunya virus (CHIKV), Dengue virus, Sindbis virus (SINV) and Semliki forest virus (SFV).

Cellular Location

Cytoplasm. Nucleus.

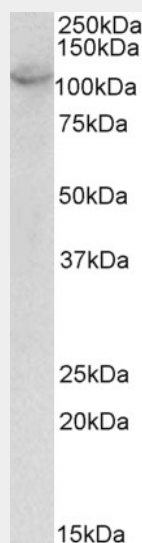
Tissue Location

Present at high level in placenta trophoblast.

OAS3 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

OAS3 Antibody (internal region) - Images

AF4078a (2 µg/ml) staining of A431 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

OAS3 Antibody (internal region) - References

The large form of human 2',5'-Oligoadenylate Synthetase (OAS3) exerts antiviral effect against Chikungunya virus. Bréhin AC, Casadémont I, Frenkiel MP, Julier C, Sakuntabhai A, Desprès P. Virology 2009 Feb 384 (1): 216-22. PMID: 19056102