

Product datasheet for **TA355451**

OAS1 Rabbit Polyclonal Antibody

Product data:

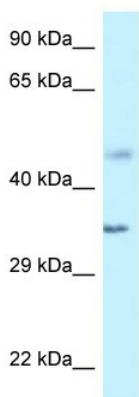
Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	Expected reactivity: Human Homology: Human: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	46kDa
Gene Name:	2'-5'-oligoadenylate synthetase 1
Database Link:	NP_058132 Entrez Gene 4938 Human P00973
Background:	OAS1 is a member of the 2-5A synthetase family, essential proteins involved in the innate immune response to viral infection. It is induced by interferons and uses adenosine triphosphate in 2'-specific nucleotidyl transfer reactions to synthesize 2',5'-oligoadenylates (2-5As). These molecules activate latent RNase L, which results in viral RNA degradation and the inhibition of viral replication. Mutations in this gene have been associated with host susceptibility to viral infection.
Synonyms:	E18/E16; IFI-4; OIAS; OIASI



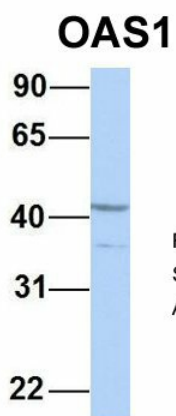
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Protein Families: Druggable Genome

Product images:



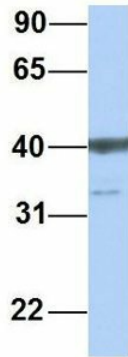
WB Suggested Anti-OAS1 Antibody Titration: 1 ug/ml
Positive Control: HepG2 cell lysate



Rabbit Anti-OAS1
Sample Type: Human Fetal Brain
Antibody Concentration: 1ug/mL

Host: Rabbit
Target Name: OAS1
Sample Type: Human Fetal Brain
Antibody Dilution: 1.0ug/ml

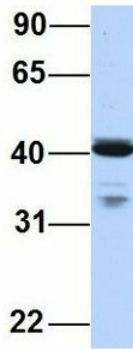
OAS1



Rabbit Anti-OAS1
 Sample Type: Human MCF7
 Antibody Concentration: 1ug/mL

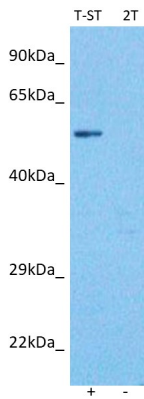
Host: Rabbit
 Target Name: OAS1
 Sample Type: Human MCF7
 Antibody Dilution: 1.0ug/ml. OAS1 is strongly supported by BioGPS gene expression data to be expressed in MCF7

OAS1



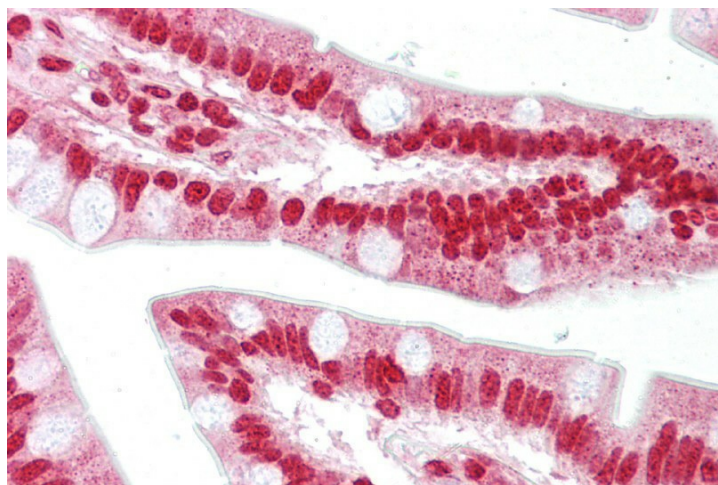
Rabbit Anti-OAS1
 Sample Type: Human 293T
 Antibody Concentration: 1ug/mL

Host: Rabbit
 Target Name: OAS1
 Sample Type: Human 293T
 Antibody Dilution: 1.0ug/ml. OAS1 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells



Host: Rabbit
 Target Name: OAS1
 Positive Control: ~25ug Human Stomach Tumor (T-ST)
 Negative Control: ~25ug 293T Cell Lysate (2T)
 Antibody Concentration: 3ug/ml

Host: Rabbit
 Target: OAS1
 Positive control (+): Human Stomach Tumor (T-ST)
 Negative control (-): 293T Cell Lysate (2T)
 Antibody concentration: 3ug/ml



Immunohistochemistry with Small intestine tissue at an antibody concentration of 5ug/ml using anti-OAS1 antibody (TA355451)