

## Product datasheet for **TA344233**

### IMPA1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-IMPA1 antibody: synthetic peptide directed towards the middle region of human IMPA1. Synthetic peptide located within the following region: IVTEAGGVLM DVTGGPFDLMSRRVIAANNRILAERIAKEIQVIPLQRDDE
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>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30 kDa
Gene Name:	inositol monophosphatase 1
Database Link:	<a href="#">NP_005527</a> <a href="#">Entrez Gene 3612 Human</a> <a href="#">P29218</a>
Background:	IMPA1 is responsible for the provision of inositol required for synthesis of phosphatidylinositol and polyphosphoinositides and has been implicated as the pharmacological target for lithium action in brain. IMPA1 can use myo-inositol monophosphates, myo-inositol-1,3-diphosphate, myo-inositol-1,4-diphosphate, scyllo-inositol-phosphate, glucose-1-phosphate, glucose-6-phosphate, fructose-1-phosphate, beta-glycerophosphate, and 2'-AMP as substrates.



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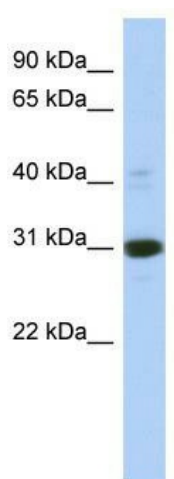
**Synonyms:** IMP; IMPA

**Note:** Immunogen Sequence Homology: Human: 100%; Dog: 93%; Pig: 93%; Bovine: 93%; Rat: 92%; Guinea pig: 86%; Mouse: 85%; Horse: 79%; Rabbit: 79%

**Protein Families:** Druggable Genome

**Protein Pathways:** Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

**Product images:**



WB Suggested Anti-IMPA1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: Human heart