



[Go to Product page](#)

Datasheet for ABIN7165648 anti-IMPACT antibody (AA 41-320) (HRP)

Overview

Quantity:	100 µg
Target:	IMPACT
Binding Specificity:	AA 41-320
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IMPACT antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Protein IMPACT protein (41-320AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	IMPACT
Alternative Name:	IMPACT (IMPACT Products)
Background:	Background: Translational regulator that ensures constant high levels of translation under amino acid starvation. Acts by interacting with GCN1/GCN1L1, thereby preventing activation of

Target Details

GCN2 protein kinases (EIF2AK1 to 4) and subsequent down-regulation of protein synthesis. May be required to regulate translation in specific neuronal cells under amino acid starvation conditions by preventing GCN2 activation and therefore ATF4 synthesis. Through its action on GCN2, may also facilitate neuritogenesis.

Aliases: IMPACT antibody, Impact homolog (mouse) antibody, Impact homolog antibody, impact RWD domain protein antibody, IMPCT_HUMAN antibody, Imprinted and ancient gene protein homolog antibody, MGC33718 antibody, Protein IMPACT antibody, RWD domain containing 5 antibody, RWDD5 antibody

UniProt: [Q9P2X3](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.