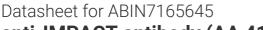
# antibodies - online.com







## anti-IMPACT antibody (AA 41-320)





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Quantity:	100 μg
Target:	IMPACT
Binding Specificity:	AA 41-320
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IMPACT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

#### **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:

Storage:

Storage Comment:

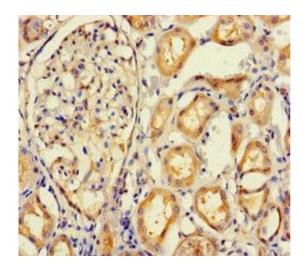
Q9P2X3

-20 °C,-80 °C

#### **Application Details**

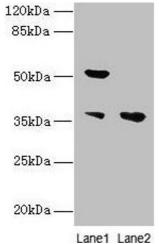
Application Notes:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Preservative: 0.03 % Proclin 300	
	Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be	
	handled by trained staff only.	

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



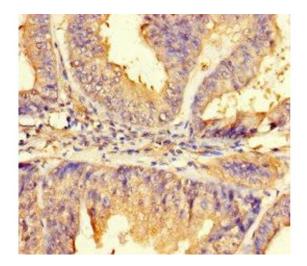
#### **Immunohistochemistry**

**Image 1.** Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7165645 at dilution of 1:100



#### **Western Blotting**

Image 2. Western blot All lanes: IMPACT antibody at 10  $\mu$  g/mL Lane 1: Hela whole cell lysate Lane 2: HL60 whole cell lysate Secondary Goat polyclonal to rabbit lgG at 1/10000 dilution Predicted band size: 37, 23 kDa Observed band size: 37, 52 kDa



#### **Immunohistochemistry**

**Image 3.** Immunohistochemistry of paraffin-embedded human endometrial cancer using ABIN7165645 at dilution of 1:100