

Datasheet for ABIN7145754
anti-BAAT1 antibody (AA 603-821)

3 Images

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Overview

Quantity:	100 µL
Target:	BAAT1 (C7orf27)
Binding Specificity:	AA 603-821
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAAT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human BRCA1-associated ATM activator 1 protein (603-821AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	BAAT1 (C7orf27)
Alternative Name:	BRAT1 (C7orf27 Products)
Background:	Background: Involved in DNA damage response, activates kinases ATM, SMC1A and PRKDC by modulating their phosphorylation status following ionizing radiation (IR) stress

Target Details

(PubMed:16452482, PubMed:22977523). Plays a role in regulating mitochondrial function and cell proliferation (PubMed:25070371). Required for protein stability of MTOR and MTOR-related proteins, and cell cycle progress by growth factors (PubMed:25657994).

Aliases: BAAT 1 antibody, BAAT1 antibody, BRAT 1 antibody, brat1 antibody, BRAT1_HUMAN antibody, BRCA1-associated ATM activator 1 antibody, BRCA1-associated protein required for ATM activation protein 1 antibody, BRCA1-associated protein required for ATM activation-1 antibody, C7orf27 antibody, chromosome 7 open reading frame 27 antibody, HEAT repeat containing protein C7orf27 antibody, MGC22916 antibody, RMFSL antibody

UniProt: [Q6PJG6](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

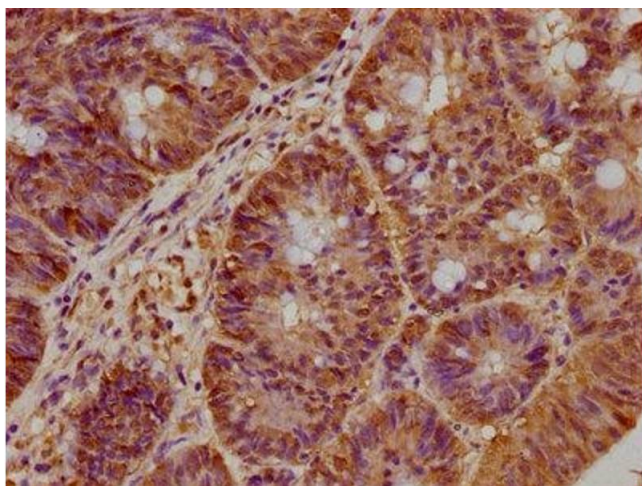
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

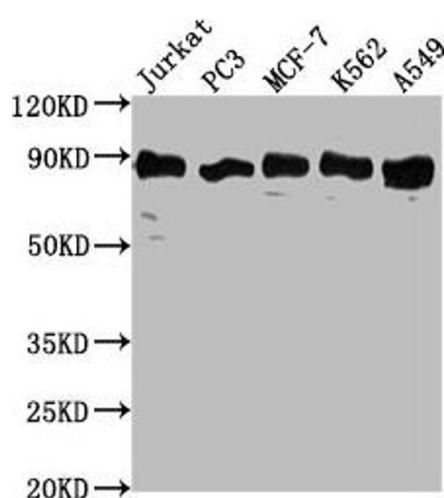
Storage: -20 °C, -80 °C

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



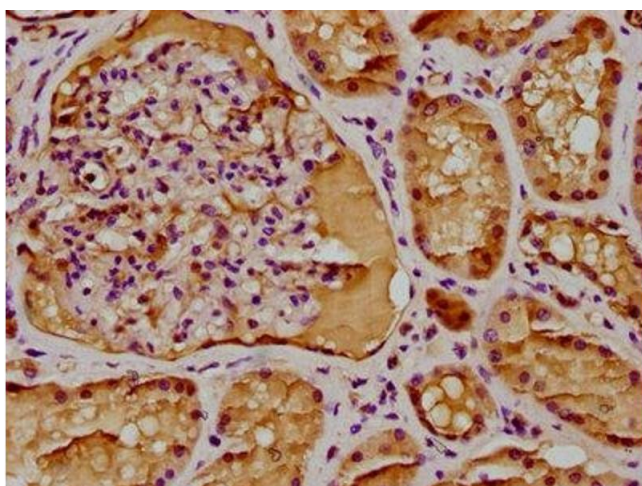
Immunohistochemistry

Image 1. IHC image of ABIN7145754 diluted at 1:300 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: Jurkat whole cell lysate, PC3 whole cell lysate, MCF-7 whole cell lysate, K562 whole cell lysate, A549 whole cell lysate All lanes: BRAT1 antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 89, 31, 32 kDa Observed band size: 89 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7145754 diluted at 1:300 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.