

Datasheet for ABIN4911805  
**anti-C6orf150 antibody (AA 1-185)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	C6orf150
Binding Specificity:	AA 1-185
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This C6orf150 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This MB21D1 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 1-185 amino acids from human MB21D1.
Clone:	7E3
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Purified by Protein G.

## Target Details

Target:	C6orf150
Alternative Name:	MB21D1 ( <a href="#">C6orf150 Products</a> )

## Target Details

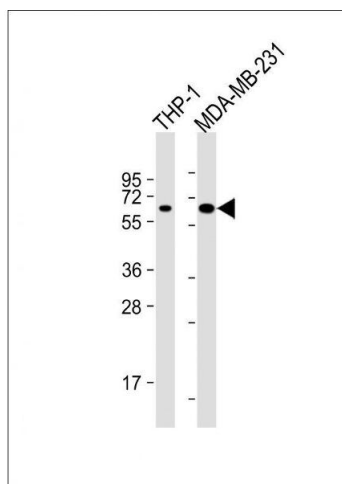
Background:	<p>Synonyms: cGAS, h-cGAS, C6orf150, Cyclic GMP-AMP synthase, cGAMP synthase, 2'3'-cGAMP synthase, Mab-21 domain-containing protein 1, MB21D1</p> <p>Background: Nucleotidyltransferase that catalyzes the formation of cyclic GMP-AMP (cGAMP) from ATP and GTP. Catalysis involves both the formation of a 2',5' phosphodiester linkage at the GpA step and the formation of a 3',5' phosphodiester linkage at the ApG step, producing c[G(2',5')pA(3',5')p]. Has antiviral activity by acting as a key cytosolic DNA sensor, the presence of double-stranded DNA (dsDNA) in the cytoplasm being a danger signal that triggers the immune responses. Binds cytosolic DNA directly, leading to activation and synthesis of cGAMP, a second messenger that binds to and activates TMEM173/STING, thereby triggering type-I interferon production. cGAMP can be transferred between cells by virtue of packaging within viral particles contributing to IFN-induction in newly infected cells in a cGAS-independent but TMEM173/STING-dependent manner (PubMed:26229115).</p>
Gene ID:	115004
UniProt:	<a href="#">Q8N884</a>
Pathways:	<a href="#">Activation of Innate immune Response</a>

## Application Details

Application Notes:	WB 1:300-5000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months



### Western Blotting

**Image 1.** Lane 1: THP-1, Lane 2: MDA-MB-31 cell lysate at 20 µg per lane, probed with bsm-51379M MB21D1 (1697CT136.65.30) Monoclonal Antibody at 1:4000 dilution and 4°C *overnight incubation, followed by secondary antibody incubation for 60min at room temperature.*