

Datasheet for ABIN522007  
**anti-PIAS1 antibody (AA 543-651)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	PIAS1
Binding Specificity:	AA 543-651
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PIAS1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

## Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant PIAS1.
Immunogen:	PIAS1 (NP_057250, 543 a.a. ~ 651 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	LDFFPFLSGD NQHYNTSLA AAAAAVSDDQ DLLHSSRFFP YTSSQMFLDQ LSAGGSTSLP TTNGSSSGSN SSLVSSNSLR ESHSHTVTNR SSTDTASIFG IIPDIISLD
Clone:	4A4
Isotype:	IgG2b
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

## Target Details

Target:	PIAS1
Alternative Name:	PIAS1 ( <a href="#">PIAS1 Products</a> )
Background:	Full Gene Name: protein inhibitor of activated STAT, 1 Synonyms: DDXBP1,GBP,GU/RH-II,MGC141878,MGC141879,ZMIZ3
Gene ID:	8554
NCBI Accession:	<a href="#">NM_016166</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Interferon-gamma Pathway</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Hepatitis C</a>

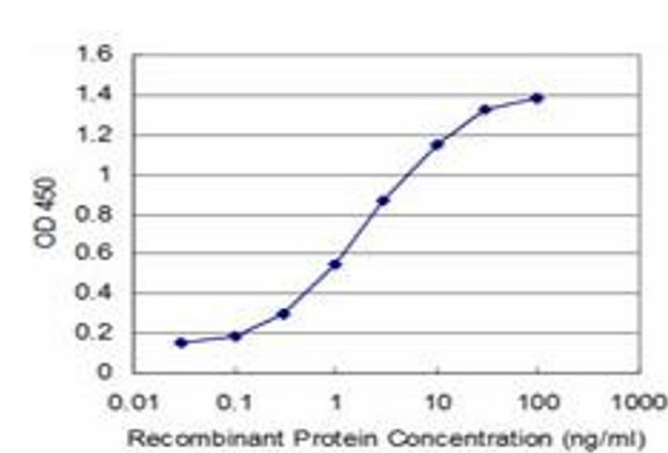
## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

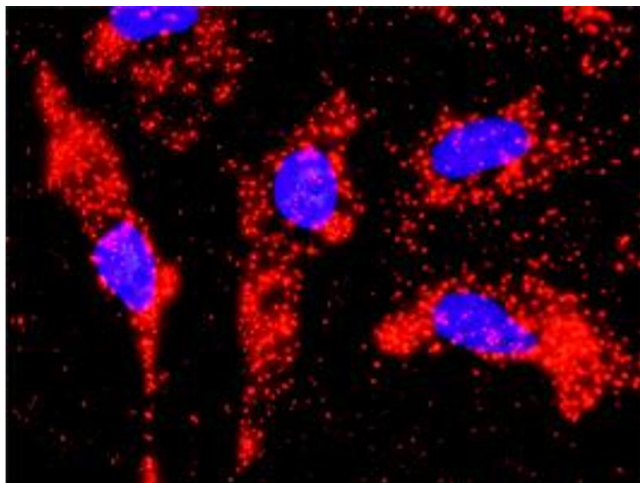
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Images



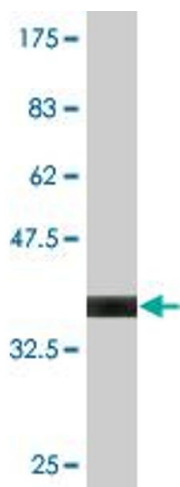
### ELISA

**Image 1.** Detection limit for recombinant GST tagged PIAS1 is approximately 0.03ng/ml as a capture antibody.



### Proximity Ligation Assay

**Image 2.** Proximity Ligation Analysis of protein-protein interactions between TP53 and PIAS1. HeLa cells were stained with anti-TP53 rabbit purified polyclonal 1:1200 and anti-PIAS1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



### Western Blotting

**Image 3.** Western Blot detection against Immunogen (37.73 kDa).