

## Anti-DUSP1/Mkp 1 Rabbit Monoclonal Antibody

Catalog Number: M02276

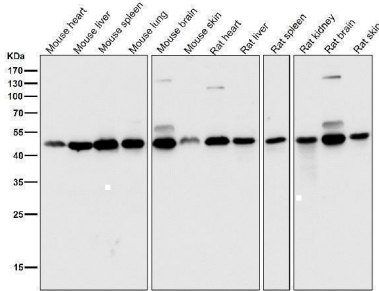
### Overview

Product Name	Anti-DUSP1/Mkp 1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-DUSP1/Mkp 1 Rabbit Monoclonal Antibody catalog # M02276. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal IHB-4
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P28562

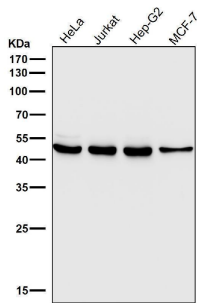
### Technical Details

Immunogen	A synthesized peptide derived from human DUSP1
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50

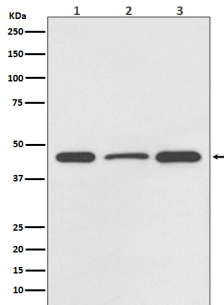
## Anti-DUSP1/Mkp 1 Rabbit Monoclonal Antibody (M02276) Images



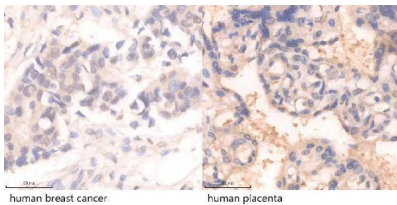
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



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Western blot analysis of DUSP1 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) PC-12 cell lysate.



IHC analysis of DUSP1 using anti-DUSP1 antibody (M02276). DUSP1 expression was detected in paraffin-embedded sections of human breast cancer tissues, with human placenta tissue serving as the positive control. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 5% BSA. The tissue section was then incubated with rabbit anti-DUSP1 antibody (M02276) at 5 ug/ml overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

## 2 Publications Citing This Product

1. PubMed ID: 10.1002/jcp.27390, USP49 inhibits ischemia-reperfusion-induced cell viability suppression and apoptosis in human AC16 cardiomyocytes through DUSP1-JNK1/2 signaling

2. PubMed ID: 33242618, Lin S, Li Q, Jiang S, Xu Z, Jiang Y, Liu L, Jiang J, Tong Y, Wang P. Crocetin ameliorates chronic restraint stress-induced depression-like behaviors in mice by regulating MEK/ERK pathways and gut microbiota. J Ethnopharmacol. 2020 Nov 23;113608. doi:10.1016/j.jep.20

Visit [bosterbio.com/anti-dusp1-rabbit-monoclonal-antibody-m02276-boster.html](https://bosterbio.com/anti-dusp1-rabbit-monoclonal-antibody-m02276-boster.html) to see all 2 publications.

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