

# Anti-p66 alpha Rabbit Monoclonal Antibody

Catalog # ABO16054

## Product Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, FC                                                                                                                        |
| <b>Primary Accession</b> | <a href="#">Q86YP4</a>                                                                                                                      |
| <b>Host</b>              | Rabbit                                                                                                                                      |
| <b>Isotype</b>           | IgG                                                                                                                                         |
| <b>Reactivity</b>        | Human, Mouse                                                                                                                                |
| <b>Clonality</b>         | Monoclonal                                                                                                                                  |
| <b>Format</b>            | Liquid                                                                                                                                      |
| <b>Description</b>       | Anti-p66 alpha Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse. |

## Additional Information

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| <b>Gene ID</b>             | 54815                                                                                                                                      |
| <b>Other Names</b>         | Transcriptional repressor p66-alpha, Hp66alpha, GATA zinc finger domain-containing protein 2A, GATAD2A                                     |
| <b>Calculated MW</b>       | 68063                                                                                                                                      |
| <b>Application Details</b> | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:50                                                                          |
| <b>Source</b>              | Eukaryota                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>         | Clone: 26G33                                                                                                                               |
| <b>Immunogen</b>           | A synthesized peptide derived from human p66 alpha                                                                                         |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>             | 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. |

## Protein Information

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| <b>Name</b>     | GATAD2A                                                                                                                                                                             |
| <b>Function</b> | Transcriptional repressor (PubMed: <a href="#">12183469</a> , PubMed: <a href="#">16415179</a> ). Acts as a component of the histone deacetylase NuRD complex which participates in |

the remodeling of chromatin (PubMed:[16428440](#), PubMed:[28977666](#)). Enhances MBD2-mediated repression (PubMed:[12183469](#), PubMed:[16415179](#)). Efficient repression requires the presence of GATAD2B (PubMed:[16415179](#)).

## Cellular Location

Nucleus speckle. Nucleus. Chromosome. Note=Speckled nuclear localization requires both CR1 and CR2 regions (PubMed:[16415179](#)). Localizes to sites of DNA damage in a manner partially dependent on ZMYND8 (PubMed:[27732854](#)).

## Tissue Location

Ubiquitous, both in fetal and adult tissues.

## Images

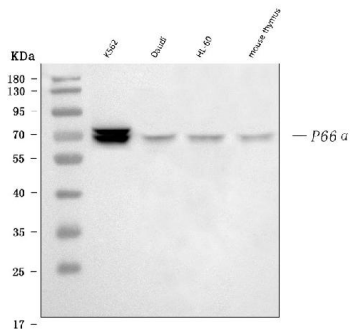


Figure 1. Western blot analysis of p66 alpha using anti-p66 alpha antibody (M09194).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human K562 whole cell lysates,  
Lane 2: human Daudi whole cell lysates,  
Lane 3: human HL-60 whole cell lysates,  
Lane 7: mouse thymus tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-p66 alpha antigen affinity purified monoclonal antibody (Catalog # M09194) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for p66 alpha at approximately 68 kDa. The expected band size for p66 alpha is at 68 kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.