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# Anti-GAPDH Rabbit mAb [52D12]

**Catalog No.: A52128**

## Basic Information

| | |
|---|---|
| Catalog No. (Cat.No.) | A52128 |
| Host species | Rabbit |
| Reactivity | Human,Mouse,Rat,Dog |
| Applications | WB,IHC,IF,ELISA |
| Synonyms | GAPDH |

## Product Information

| | |
|---|---|
| Target | GAPDH |
| Molecular Weight(Calculated) | 38 kDa |
| Molecular Weight(Observed) | 38 kDa |
| Isotype | IgG,Kappa |
| Conjugation | NA |
| Concentration | 0.2 mg/ml |
| Clonality | Monoclonal |
| Clone No. | 52D12 |
| RRID | NA |
| Storage buffer | 50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4) |
| Storage | Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles. |
| Shipped at conditions | Frozen |
| Form | Liquid |

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## Product Usage Information

| Application | Dilution |
|---|---|
| WB | 1:10000-1:50000 |
| IHC | 1:2000-1:5000 |
| IF | 1:200-1:1000 |
| ELISA | 1:5000-1:20000 |

## Target Information

| | |
|---|---|
| Protein Name | Glyceraldehyde-3-phosphate dehydrogenase |
| Gene Name | *GAPDH* |
| Domain | NA |
| Background | GAPDH is a core glycolytic enzyme responsible for glycolytic catalysis and multifaceted cellular homeostasis. GAPDH catalyzes oxidative phosphorylation of glyceraldehyde-3-phosphate, representing a key step in glycolysis. Apart from carbohydrate metabolism, it also participates in non-canonical biological events including DNA repair, apoptosis, signal transduction and vesicular trafficking. This monoclonal antibody recognizes mammalian GAPDH. It is constitutively and highly stably expressed in most cells and tissues, serving as one of the most popular loading controls for WB, IF and other assays. Note that hypoxia, metabolic reprogramming and cell activation may alter GAPDH abundance, so its suitability as reference should be validated per experimental setup. It is widely used in mammalian cell and tissue studies of metabolism, tumor biology and signaling pathways. |