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# Anti-FOXM1 Antibody

Catalog # AP53669

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q08050 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 84283 |

## Additional Information

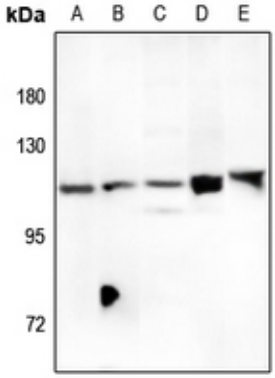
| | |
|---|---|
| **Gene ID** | 2305 |
| **Other Names** | FKHL16; HFH11; MPP2; WIN; Forkhead box protein M1; Forkhead-related protein FKHL16; Hepatocyte nuclear factor 3 forkhead homolog 11; HFH-11; HNF-3/fork-head homolog 11; M-phase phosphoprotein 2; MPM-2 reactive phosphoprotein 2; Transcription factor Trident; Winged-helix factor from INS-1 cells |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FOXM1. The exact sequence is proprietary. |
| **Dilution** | WB~~1/500 - 1/1000 |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

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|---|---|
| **Name** | FOXM1 |
| **Synonyms** | FKHL16, HFH11, MPP2, WIN |
| **Function** | Transcription factor regulating the expression of cell cycle genes essential for DNA replication and mitosis (PubMed:19160488, PubMed:20360045). Plays a role in the control of cell proliferation (PubMed:19160488). Also plays a role in DNA break repair, participating in the DNA damage checkpoint response (PubMed:17101782). Promotes transcription of PHB2 (PubMed:33754036). |
| **Cellular Location** | [Isoform 1]: Nucleus [Isoform 4]: Cytoplasm |
| **Tissue Location** | Expressed in thymus, testis, small intestine, colon followed by ovary. Appears |

to be expressed only in adult organs containing proliferating/cycling cells or in response to growth factors. Also expressed in epithelial cell lines derived from tumors Not expressed in resting cells. Isoform 2 is highly expressed in testis

## Images




Western blot analysis of FOXM1 expression in mouse testis (A), rat ovary (B), HCT116 (C), H1792 (D), MCF7 (E) whole cell lysates. (Predicted band size: 84 kD; Observed band size: 110; 84 kD)

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