

## Rabbit EI24 Polyclonal Antibody | anti-EI24 antibody

EI24 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA39340  | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot, ELISA |

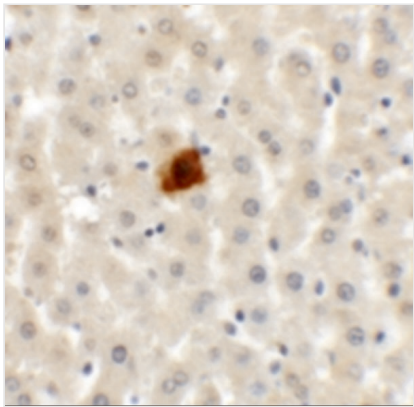
### PRODUCT SYNONYMS

EI24; Polyclonal Antibody; EI24 Antibody; EPG4; PIG8; TP53I8; p53-induced gene 8 protein; etoposide induced 2.4 mRNA; anti-EI24 antibody

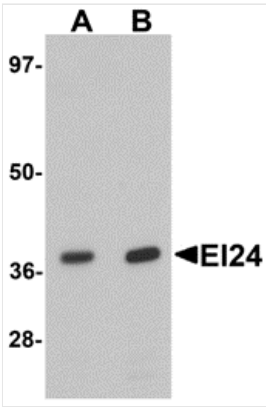
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                            |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                     |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                 |
| Isotype                                        | IgG                                                                                                                                                                                                                                                        |
| Specificity                                    | At least two isoforms of EI24 are known to exist; this antibody will only detect the larger isoform.                                                                                                                                                       |
| Purity/Purification                            | EI24 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                    | Liquid                                                                                                                                                                                                                                                     |
| Concentration                                  | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                    |
| Sequence Length                                | 340                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-EI24 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                                                       |
| Conjugate                                      | Unconjugated                                                                                                                                                                                                                                               |
| Immunogen                                      | EI24 antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human EI24.                                                                                                                                                |
| Buffer                                         | EI24 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                        | EI24 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

IMAGES



IHC (Immunohiostchemistry)  
Immunohistochemistry of EI24 in rat liver tissue with EI24 antibody at 5 &#956;g/mL.



WB (Western Blot)  
Western blot analysis of EI24 in rat liver tissue lysate with EI24 antibody at (A) 1 and (B) 2 &#956;g/mL.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Related Product Information for anti-EI24 antibody | EI24 Antibody: The etoposide-induced 24 (EI24) protein is an immediate-early induction target of p53-mediated apoptosis and functions as a tumor suppressor. EI24 contains six transmembrane domains and is localized to the endoplasmic reticulum (ER). It binds to Bcl-2 and may contribute to apoptosis by modulating the activity and function of Bcl-2. EI24 is highly mutated in aggressive breast cancers and its loss in breast cancer tissue correlates with tumor invasiveness. Similar findings in invasive cervical carcinoma suggest that EI24 may be a promising therapeutic target in the treatment of invasive cancer. |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 55956766                                                                                                                                                 |
| NCBI GeneID                      | 9538                                                                                                                                                     |
| NCBI Accession #                 | NP_004870                                                                                                                                                |
| NCBI GenBank Nucleotide #        | NM_004879.4                                                                                                                                              |
| UniProt Accession #              | O14681; Q9BUQ1; A8K7D6; B4DKL6                                                                                                                           |
| Molecular Weight                 | 37,462 Da                                                                                                                                                |
| NCBI Official Full Name          | etoposide-induced protein 2.4 homolog isoform 1                                                                                                          |
| NCBI Official Synonym Full Names | etoposide induced 2.4                                                                                                                                    |
| NCBI Official Symbol             | EI24                                                                                                                                                     |
| NCBI Official Synonym Symbols    | EPG4; PIG8; TP53I8                                                                                                                                       |
| NCBI Protein Information         | etoposide-induced protein 2.4 homolog; p53-induced gene 8 protein; tumor protein p53 inducible protein 8; ectopic P-granules autophagy protein 4 homolog |
| UniProt Protein Name             | Etoposide-induced protein 2.4 homolog                                                                                                                    |
| UniProt Gene Name                | EI24                                                                                                                                                     |
| UniProt Synonym Gene Names       | PIG8                                                                                                                                                     |
| UniProt Entry Name               | EI24_HUMAN                                                                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

