ELK Biotechnology

# ERβ (phospho Ser87) rabbit pAb

## Cat No.:ES5178

**For research use only**

**Overview**

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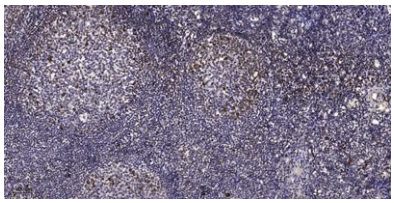
|---|---|
| **Product Name** | ERβ (phospho Ser87) rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | IHC;IF;ELISA |
| **Species Cross-Reactivity** | Human;Rat;Mouse; |
| **Recommended dilutions** | Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications. |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human Estrogen Receptor-beta around the phosphorylation site of Ser87. AA range:53-102 |
| **Specificity** | Phospho-ERβ (S87) Polyclonal Antibody detects endogenous levels of ERβ protein only when phosphorylated at S87. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | Estrogen receptor beta |
| **Gene Name** | ESR2 |
| **Cellular localization** | Nucleus . |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | |
| **Human Gene ID** | 2100 |
| **Human Swiss-Prot Number** | Q92731 |
| **Alternative Names** | ESR2; ESTRB; NR3A2; Estrogen receptor beta; ER-beta; Nuclear receptor subfamily 3 group A member 2 |
| **Background** | This gene encodes a member of the family of estrogen receptors and superfamily of nuclear receptor transcription factors. The gene product |

contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17beta-estradiol or related ligands, the encoded protein forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Some isoforms dominantly inhibit the activity of other estrogen receptor family members. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been fully characterized. [provided by RefSeq, Jul 2008],



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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