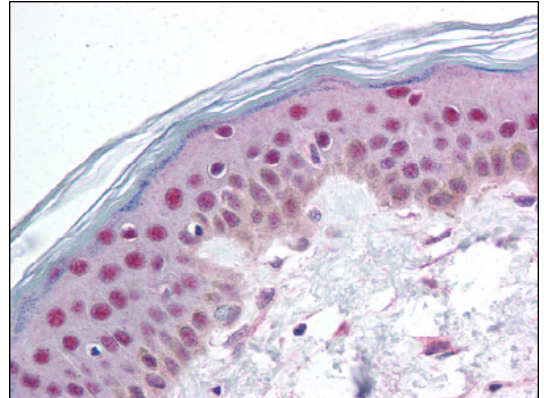


Polyclonal Antibody to Estrogen receptor beta (N-term) - Aff - Purified

| | |
|----------------------------|---|
| Alternate names: | ER-beta, ESR2, ESTRB, NR3A2, Nuclear receptor subfamily 3 group A member 2 |
| Catalog No.: | AP07156PU-N |
| Quantity: | 50 µg |
| Concentration: | 0.2 mg/ml |
| Background: | Estrogen receptor beta (ER beta), a NR3 Steroid Receptor, has been shown to have physiological functions in the central nervous system, cardiovascular system, immune system, urogenital tract, gastrointestinal tract, and in bone, kidney, and lung. Mice lacking the gene for ER beta show defective ovary development, reduced fertility, abnormal bladder and prostate development, and impaired vascular system functions that lead to hypertension in aging. ER beta is phosphorylated upon ligand activation and binds to target DNA as a homodimer. At least eight alternatively spliced isoforms of ER beta have been documented, many of which show tissue-specific expression patterns. A novel and functionally distinct isoform of human ER beta (ER beta548), which includes an extended amino-terminal domain has been identified recently by Wilkinson et al. 2002. ER beta has been suggested to affect carcinogenesis in smooth muscle, urogenital tract, breast, and colonic tissues. |
| Uniprot ID: | Q92731 |
| NCBI: | NP_001035365.1 |
| GeneID: | 2100 |
| Host: | Rabbit |
| Immunogen: | Synthetic peptide corresponding to the N-terminus of human ESR2 |
| Format: | State: Liquid purified Ig fraction Purification: Affinity Chromatography Buffer System: PBS, pH 7.4 containing 0.2% BSA and 0.05% Sodium Azide |
| Applications: | Western blot. Immunohistochemistry on Paraffin Sections: 10 µg/ml. Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0, at 99-100°C for 20 min. Remove from heat and let stand at room temperature in buffer for 20 min. Rinse in 1x TBS with Tween (TBST) for 1 min. at room temperature. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody detects Estrogen Receptor Beta (ER Beta/NR3A2) (ESR2) at N-terminus. |
| Species Reactivity: | Tested: Human. |

Storage: Store the antibody undiluted at 2-8°C.
DO NOT FREEZE!
Shelf life: one year from despatch.

Pictures: AP07156PU-N ESR2 antibody staining of Formalin-Fixed Paraffin-Embedded Human Skin at 10 µg/ml followed by biotinylated Goat anti-Rabbit IgG secondary antibody, Alkaline Phosphatase-Streptavidin and Chromogen.



AP07156PU-N ESR2 antibody staining of Formalin-Fixed Paraffin-Embedded Human Breast at 10 µg/ml followed by biotinylated Goat anti-Rabbit IgG secondary antibody, Alkaline Phosphatase-Streptavidin and Chromogen.

