

Product datasheet

Anti-Estrogen Receptor beta antibody [14C8] ab288

★★★★★ 9 Abreviews 62 References 画像数 3

製品の概要

| | |
|---------------------|--|
| 製品名 | Anti-Estrogen Receptor beta antibody [14C8] |
| 製品の詳細 | Mouse monoclonal [14C8] to Estrogen Receptor beta |
| 由来種 | Mouse |
| 特異性 | 14C8 is specific for human ER-beta. The antibody has been tested in WB against recombinant protein. It has not yet been tested in our laboratory using any cell lysates and several publications suggest it can give weak bands in breast tumour extracts lysate. Strong Erb staining in epithelial cell nuclei. Occasional weak to moderate staining is seen in surrounding stromal and endothelial cell nuclei. Sporadic light cytoplasmic staining is sometimes observed. We have also successfully detected ERb in colon and ovarian tumors using the same antibody. |
| アプリケーション | 適用あり: WB, Flow Cyt, IHC-P, ICC/IF, ChIP, IHC-Fr |
| 種交差性 | 交差種: Mouse, Human, Monkey, Baboon |
| 免疫原 | Recombinant 6-His fusion protein encoding amino acids 1-153 of human ER-beta expressed in <i>E. coli</i> . |
| ポジティブ・コントロール | WB: Recombinant fusion protein. IHC-P: endocervical epithelium, Lobular breast carcinoma. |
| 特記事項 | This product was changed from ascites to tissue culture supernatant on 23 rd October 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. |

製品の特性

| | |
|-----------------|---|
| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| バッファー | pH: 7.40 Constituent: 0.0268% PBS |
| 精製度 | Immunogen affinity purified |
| 特記事項(精製) | Purified from TCS |
| ポリ/モノ | モノクローナル |
| クローン名 | 14C8 |
| ミエローマ | NS1 |

| | |
|--------|-------|
| アイソタイプ | IgG2b |
| 軽鎖の種類 | kappa |

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab288** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|---|
| WB | ★★★★☆ | Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 59 kDa. |
| Flow Cyt | | 1/25. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody. |
| IHC-P | ★★★★☆ | Use a concentration of 5 µg/ml. |
| ICC/IF | | Use at an assay dependent concentration. |
| ChIP | | Use at an assay dependent concentration. |
| IHC-Fr | ★★★★☆ | Use at an assay dependent concentration. |

ターゲット情報

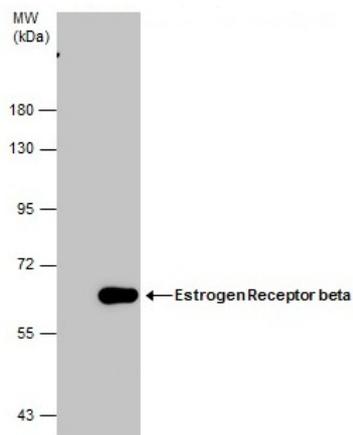
| | |
|-------|--|
| 機能 | Nuclear hormone receptor. Binds estrogens with an affinity similar to that of ESR1, and activates expression of reporter genes containing estrogen response elements (ERE) in an estrogen-dependent manner. Isoform beta-cx lacks ligand binding ability and has no or only very low ere binding activity resulting in the loss of ligand-dependent transactivation ability. DNA-binding by ESR1 and ESR2 is rapidly lost at 37 degrees Celsius in the absence of ligand while in the presence of 17 beta-estradiol and 4-hydroxy-tamoxifen loss in DNA-binding at elevated temperature is more gradual. |
| 組織特異性 | Isoform beta-1 is expressed in testis and ovary, and at a lower level in heart, brain, placenta, liver, skeletal muscle, spleen, thymus, prostate, colon, bone marrow, mammary gland and uterus. Also found in uterine bone, breast, and ovarian tumor cell lines, but not in colon and liver tumors. Isoform beta-2 is expressed in spleen, thymus, testis and ovary and at a lower level in skeletal muscle, prostate, colon, small intestine, leukocytes, bone marrow, mammary gland and uterus. Isoform beta-3 is found in testis. Isoform beta-4 is expressed in testis, and at a lower level in spleen, thymus, ovary, mammary gland and uterus. Isoform beta-5 is expressed in testis, placenta, skeletal muscle, spleen and leukocytes, and at a lower level in heart, lung, liver, kidney, pancreas, thymus, prostate, colon, small intestine, bone marrow, mammary gland and uterus. Not expressed in brain. |
| 配列類似性 | Belongs to the nuclear hormone receptor family. NR3 subfamily. Contains 1 nuclear receptor DNA-binding domain. |
| ドメイン | Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain. |
| 細胞内局在 | Nucleus. |

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Estrogen Receptor beta antibody [14C8] (ab288)

ab288 staining endocervical epithelium by IHC-P.



Western blot - Anti-Estrogen Receptor beta antibody [14C8] (ab288)

All lanes : Anti-Estrogen Receptor beta antibody [14C8] (ab288) at 1/5000 dilution

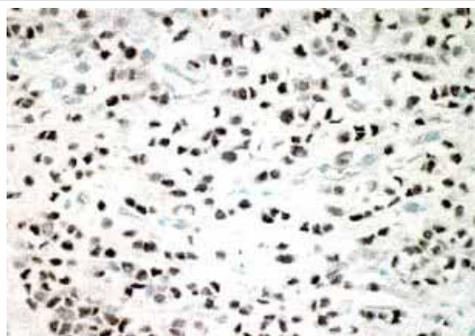
Lane 1 : Non-transfected 293T whole cell extracts

Lane 2 : Transfected 293T whole cell extracts

Lysates/proteins at 30 μ g per lane.

Performed under non-reducing conditions.

Predicted band size: 59 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Estrogen Receptor beta antibody [14C8] (ab288)

ab288 staining infiltrating lobular carcinoma of the breast by IHC-P.

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