

# Estrogen Receptor beta antibody [14C8]

**Cat. No. GTX70174**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr, FCM, Dot, ChIP assay, IHC-P (cell pellet)
<b>Reactivity</b>	Human, Mouse, Monkey

References ( 131 )

★★★★★ Review ( 2 )

Package

100 µl

## Applications

### Application Note

For IHC, a recommended protocol is provided. For WB: Use at a concentration of 1-5 µg/ml. For ChIP: Use at an dependent assay. Optimal dilutions/concentrations should be determined by the researcher.

**Calculated MW** 59 kDa. ( [Note](#) )

### Product Note

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. KO/KD validation is based on published data (PMID: 27323858).

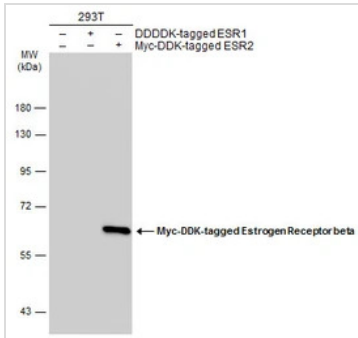
## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservatives
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1.23 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Amino acids 1-153 of human ER-beta expressed in E. coli.
<b>Purification</b>	Protein G purified
<b>Conjugation</b>	Unconjugated
<b>Note</b>	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.  Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



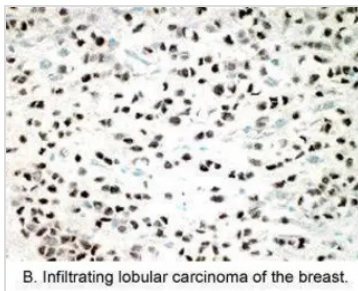
For full product information, images and publications, please visit our [website](#).

DATA IMAGES



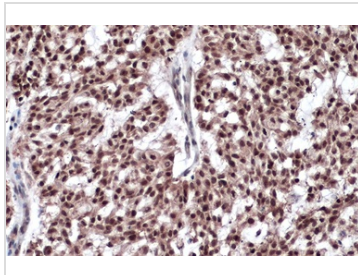
**GTx70174 WB Image**

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Estrogen Receptor beta antibody [14C8] (GTx70174) diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



**GTx70174 Image**

B. Infiltrating lobular carcinoma of the breast.



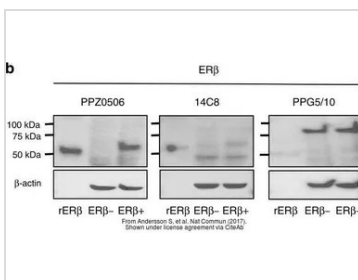
**GTx70174 IHC-P Image**

Estrogen Receptor beta antibody [14C8] detects Estrogen Receptor beta protein at nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded human breast carcinoma.

Estrogen Receptor beta stained by Estrogen Receptor beta antibody [14C8] (GTx70174) diluted at 1:200.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTx70174 WB Image**

The data was published in the 2017 in Nat Commun. [PMID: 28643774](https://pubmed.ncbi.nlm.nih.gov/28643774/)

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