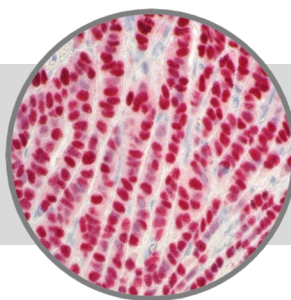


Estrogen Receptor, RMAb

Clone: RBT11

Rabbit Monoclonal



ASR

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Inset: IHC of Estrogen Receptor on a FFPE Breast Tissue

Intended Use

Analyte Specific Reagent.

Analytical and performance characteristics for Estrogen Receptor antibody, clone RBT11, are not established.

Immunogen

Synthetic peptide against the C-terminus of human estrogen receptor alpha.

Summary and Explanation

Estrogen receptor (ER) is a nuclear receptor for estrogens such as estradiol (the main endogenous human estrogen). The two different estrogen receptor proteins produced from the ESR1 and ESR2 genes are usually called the alpha and beta receptors. This ER antibody recognizes a protein of 67 kDa, which is identified as estrogen receptor (ER) alpha.

Antibody Type	Rabbit Monoclonal	Clone	RBT11
Isotype	IgG	Reactivity	Paraffin, Frozen
Localization	Nuclear	Control	Breast, Myometrium, Cervix, Fallopian Tube, Breast Carcinoma
Species Reactivity		Human	

Precautions

1. For professional users only. Results should be interpreted by a qualified medical professional.
2. This product contains <0.1% sodium azide (NaN₃) as a preservative. Ensure proper handling procedures are used with this reagent.
3. Always wear personal protective equipment such as laboratory coat, goggles and gloves when handling reagents.
4. Dispose of unused solution with copious amount of water.
5. Do not ingest reagent. If reagent is ingested, seek medical advice immediately.
6. Avoid contact with eyes. If contact occurs, flush with large quantities of water.
7. Follow safety precautions of the heating device used for epitope retrieval (TintoRetriever Pressure Cooker or similar).
8. For additional safety information refer to Safety Data Sheet for this product.
9. For complete recommendations for handling biological specimens, please refer to the CDC document, "Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories" (see References in this document).

Presentation

Estrogen receptor clone RBT11 is a rabbit monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.

Catalog No.	Antibody Type	Dilution	Volume/Qty
BSB 5491	Tinto Prediluted	Ready-to-Use	3.0 mL
BSB 5492	Tinto Prediluted	Ready-to-Use	7.0 mL
BSB 5493	Tinto Prediluted	Ready-to-Use	15.0 mL
BSB 5494	Concentrated	1:50 - 1:200	0.1 mL
BSB 5495	Concentrated	1:50 - 1:200	0.5 mL
BSB 5496	Concentrated	1:50 - 1:200	1.0 mL

Control Slides Available

Catalog No.	Quantity
BSB 5497	5 slides

Storage Store at 2-8°C

Stability

This product is stable up to the expiration date on the product label. Do not use after expiration date listed on package label. Temperature fluctuations should be avoided. Store appropriately when not in use, and avoid prolonged exposure to room temperature conditions.

Specimen Preparation

Paraffin sections: The antibody can be used on formalin-fixed paraffin-embedded (FFPE) tissue sections. Ensure tissue undergoes appropriate fixation for best results. Pre-treatment of tissues with heat-induced epitope retrieval (HIER) is recommended using Bio SB ImmunoDNA Retriever with Citrate (BSB 0020-BSB 0023), ImmunoDNA Retriever with EDTA (BSB 0030-BSB 0033) or ImmunoDNA Digestor (BSB 0108-0112). See reverse side for complete protocol. Tissue should remain hydrated via use of Bio SB Immuno/DNA Washer solutions (BSB 0029 & BSB 0042).

Frozen sections and cell preparations: The antibody can be used for labeling acetone-fixed frozen sections and acetone-fixed cell preparations.

This Antibody has been quality control tested by immunohistochemistry as follows

Quality Control Procedure

Step	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetector Plus HRP
Peroxidase/AP Blocker	5 min.	5 min.	5 min
Primary Antibody	30-60 min.	30-60 min.	30-60 min.
1st Step Detection	10 min.	30-45 min.	15 min.
2nd Step Detection	10 min.	Not Applicable	15 min.
Substrate-Chromogen	5-10 min.	5-10 min.	5-10 min.
Counterstain / Coverslip	Varies	Varies	Varies

References

1. Dabbs DJ, et al. Diagnostic Immunohistochemistry. 2002
2. Kell DL, et al. Applied Immunohistochemistry. 1993;1(4):275-81
3. Leong ASY, et al. Applied Immunohistochemistry. 1993;1(4):282-288
4. Tesch M, et al. Am J Clin Pathol. 1993; 99:8-12
5. Francesco AM, et al. Applied Immunohistochemistry. 1994;2(3):157-163
6. Silvio M, et al. Applied Immunohistochemistry. 1995;3(2):85-90
7. Bejar J, et al. Arch Pathol Lab Med. 1998; Apr;122(4):346-52
8. U.S. Department of Health and Human Services: Centers for Disease Control and Prevention. Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories. Supplement / Vol. 61, January 6, 2012.





Mounting Protocols

For detailed instructions using biodegradable permanent mounting media such as XyGreen PermaMounter (BSB 0169-0174) or organic solvent based resin such as PermaMounter (BSB 0094-0097), refer to PI0174 or PI0097.

Product Limitations

Due to inherent variability present in immunohistochemical procedures (including fixation time of tissues, dilution factor of antibody, retrieval method utilized and incubation time), optimal performance should be established through the use of positive and negative controls. Results should be interpreted by a qualified medical professional.

Symbol Key / Légende des symboles/Erläuterung der Symbole

	Storage Temperature Limites de température Zulässiger Temperaturbereich		Manufacturer Fabricant Hersteller	REF	Catalog Number Référence du catalogue Bestellnummer
	Read Instructions for Use Consulter les instructions d'utilisation Gebrauchsanweisung beachten		Expiration Date Utiliser jusqu'à Verwendbar bis	LOT	Lot Number Code du lot Chargenbezeichnung

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