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DATA SHEET

Rabbit Anti-ER [SP1]: RM0248, RM0248RTU7

Intended Use: For Research Use Only

Description: Estrogen Receptor Alpha (ER or ER Alpha) is a nuclear protein and member of the steroid hormone receptor family. ER alpha possesses both DNA binding and ligand binding domains, and exerts a significant role in activating the transcription of certain genes. Ligand-dependent dimerization and phosphorylation both function to regulate the transcriptional activation of ER alpha.

Specifications:

Clone:	SP1
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Synthetic peptide derived from C-terminal of human ER
Localization:	Nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., ICC/IF, WB

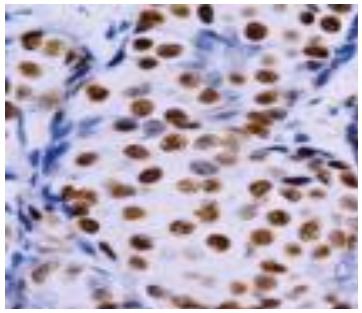
Package:

Description	Catalog No.	Size
ER Concentrated	RM0248	1 ml
ER Prediluted	RM0248RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Breast cancer
Concentrated Dilution:	25-100
Pretreatment:	Citrate pH6.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human breast carcinoma stained with anti-ER using DAB

References:

1. TGF-ß Stimulation of EMT Programs Elicits Non-genomic ER-a Activity and Anti-estrogen Resistance in Breast Cancer Cells. Tian M, et al. J Cancer Metastasis Treat 3:150-160, 2017.
2. Capturing tumor complexity in vitro: Comparative analysis of 2D and 3D tumor models for drug discovery. Stock K, et al. Sci Rep 6:28951, 2016.
3. Identifying a Highly-Aggressive DCIS Subgroup by Studying Intra-Individual DCIS Heterogeneity among Invasive Breast Cancer Patients. Pape-Zambito D, et al. PLoS One 9:e100488, 2014.

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