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CUEDC2 Rabbit pAb

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Catalog # AP58237

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H467
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32009
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CUE domain containing 2
Epitope Specificity	201-287/287
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus.
DISEASE	Note=May predict the clinical outcome of tamoxifen therapy of breast cancer patients. Patients with tumors that highly express CUEDC2 do not respond to tamoxifen treatment as effectively as those with tumors with low expression.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Controls PGR and ESR1 protein levels through their targeting for ubiquitination and subsequent proteasomal degradation.

Additional Information

Gene ID	79004
Other Names	CUE domain-containing protein 2, CUEDC2, C10orf66
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CUEDC2

Synonyms	C10orf66
Function	Down-regulates ESR1 protein levels through the ubiquitination-proteasome pathway, regardless of the presence of 17 beta-estradiol. Also involved in 17 beta-estradiol-induced ESR1 degradation. Controls PGR protein levels through a similar mechanism.
Cellular Location	Cytoplasm. Nucleus
Tissue Location	Significantly up-regulated in breast tumor tissues compared with matched adjacent normal tissues (at protein level) Levels inversely correlate with ESR1 in breast cancers and are lower in low-grade tumors compared to high-grade tumors

Background

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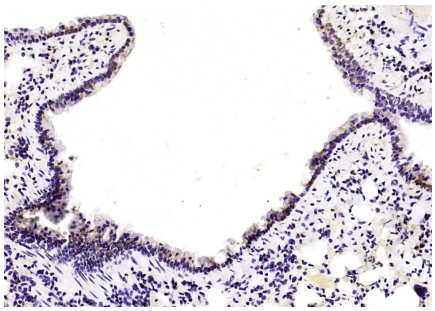
Images



Paraformaldehyde-fixed, paraffin embedded (mouse lung tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CUEDC2) Polyclonal Antibody, Unconjugated (AP58237) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.