

Product Datasheet

ACTH Antibody (SPM501) [DyLight 594] - C-terminus NBP2-54325DL594

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-54325DL594

ACTH Antibody (SPM501) [DyLight 594] - C-terminus

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	SPM501
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	DyLight 594
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	5443
Gene Symbol	POMC
Species	Human
Marker	Pituitary Marker
Specificity/Sensitivity	ACTH (same as Corticotropin) is a 39 amino acid active peptide produced by the anterior pituitary. This monoclonal antibody is specific to CLIP (aa25-39 of ACTH); does not react with Synacthen (aa1-24 of ACTH). POMC (pro-opiomelanocortin or corticotropin-lipotropin) is a 267 amino acid polypeptide hormone precursor that goes through extensive, tissue-specific posttranslational processing by convertases. POMC is cleaved into ten hormone chains named NPP, ACTH, alpha-MSH (Melanocyte Stimulating Hormone), beta-MSH, gamma-MSH, CLIP (corticotropin-like intermediary peptide), Lipotropin-beta, Lipotropin-gamma, beta-endorphin and Met-enkephalin. ACTH is also produced by cells of immune system (T-cells, B-cells, and macrophages) in response to stimuli associated with stress. Anti-ACTH is a useful marker in classification of pituitary tumors and the study of pituitary disease. It reacts with ACTH-producing cells (corticotrophs). It also may react with other tumors (e.g. some small cell carcinomas of the lung) causing paraneoplastic syndromes by secreting ACTH. '
Immunogen	Synthetic peptide corresponding to aa25-39 of human ACTH (NGAEDESAEAFPLEF) (Uniprot: P01189)
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details	
Applications	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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Products Related to NBP2-54325DL594

NBP1-43319DL594	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 594]
210-TA-005	TNF-alpha [Unconjugated]
NBP2-66415	Rat ACTH ELISA Kit (Colorimetric)
DLP00	Leptin/OB [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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