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LY6D Rabbit pAb

Catalog # AP97476

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q14210
Other Accession	Q14210
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13286
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LY6D
Epitope Specificity	41-128/128
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 UPAR/Ly6 domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Ly-6D is a 128 amino acid glycoprotein that is expressed in squamous cell carcinoma cell lines and squamous cell epithelia tissue. Ly-6D contains a signal peptide, 2 theoretical phosphorylation sites and 3 putative myristoylation sites. Upregulation of the gene encoding Ly-6D in head and neck cancers is associated with poor prognosis and high expression of Ly-6D has been linked to enhanced cell migration. Ly-6D is frequently used as a molecular marker for diagnosis and therapy of head-and-neck squamous cell carcinoma (HNSCC). It has been suggested that Ly-6D may regulate the expression levels of certain fucosylated E-selectin ligands and protein FX, a protein that contributes to the last step in the synthesis of GDP-L-fucose, in HNSCC cell lines. This finding is indicative that Ly-6D may regulate tumor cell adhesion in inflamed vessel walls that express E-selectin.

Additional Information

Gene ID	8581
Other Names	E48; Ly-6D; LY6D_HUMAN; LY6D; E48 antigen; lymphocyte antigen 6 family member D; lymphocyte antigen 6 complex, locus D
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	LY6D
Synonyms	E48
Function	May act as a specification marker at earliest stage specification of lymphocytes between B- and T-cell development. Marks the earliest stage of B-cell specification.
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor.
Tissue Location	Expressed exclusively at the outer cell surface of transitional epithelia and the keratinocyte of stratified squamous epithelia

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