Lambda Light chain Antibody

Catalog No: #43108

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

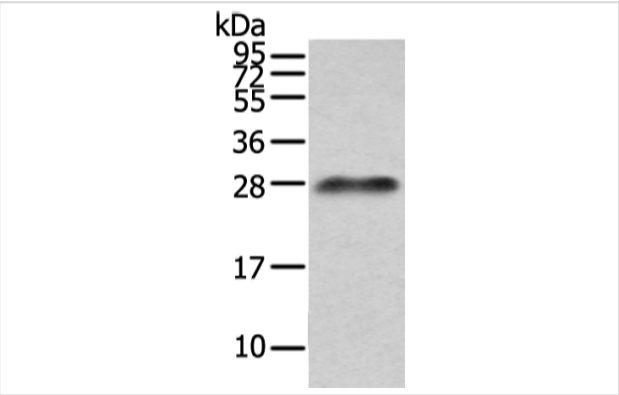
Product Name	Lambda Light chain Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total Lambda Light chain protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human Lambda Light chain
Target Name	Lambda Light chain
Other Names	λlight chain
Accession No.	Swiss-Prot#: P01701Gene ID:
Uniprot	P01701
Calculated MW	25kd
Concentration	1.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

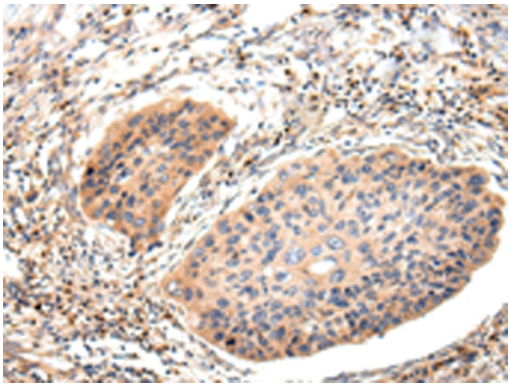
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

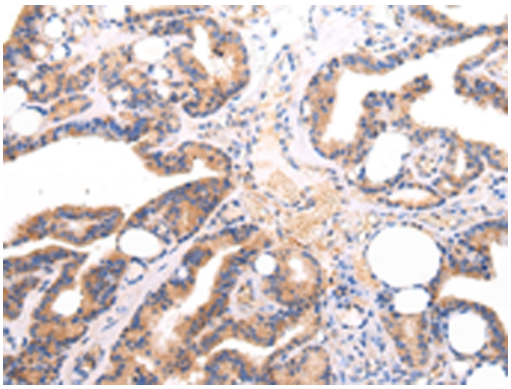
Images



Gel: 12%SDS-PAGE
Lysate: 40 µg
Lane: Human plasma solution
Primary antibody: 1/200 dilution
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 10 seconds



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using #43108 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #43108 at dilution 1/20.

Background

Antibody producing cells of the immune system require multiple rearrangements of immunoglobulin (antibody, Ig) genes. Immunoglobulins are four-chain, Y-shaped, monomeric structures of two identical heavy chains and two identical light chains held together through interchain disulfide bonds. Immunoglobulins in vertebrates help to remove non-self molecules or cells (antigens) by recognizing and binding to the antigen and carrying out effector functions that activate the immune system. Variable genetic combinations of the five heavy chain classes (M, D, G, E and A) and the two light chain isotypes, Kappa and Lambda, confer the role of an antibody. The variable region genes encoding immunoglobulin Kappa and Lambda chains are assembled from three DNA segments, the V, C and J genes. Kappa and Lambda consist of a variable region and a constant region and can easily be differentiated by the antigenic properties of the constant region. The ratio of Kappa to Lambda is 70:30 , the vast majority of which is bound to heavy-chain in immunoglobulin.

Note: This product is for in vitro research use only