Data Sheet (Cat.No.TMAB-00467)

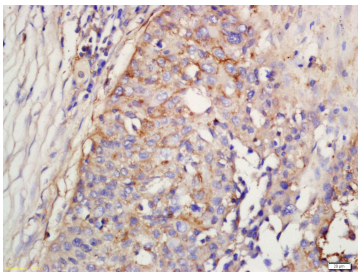
Anti-Complement Factor D/CFD Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat)
Molecular Weight:	Theoretical: 24 kDa. Actual: 28/75 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Protein: A549 (human) cell lysates at 40 μg; spleen disease in mouse at 40 μg; Primary: Anti-Factor D (TMAB-00467) at 1:300; Secondary: HRP conjugated Goat-Anti-Rabbit Igg (secondary antibody) at 1: 5000; ECL excited the fluorescence; Predicted band size:24 kDa Observed band size:28/75 kDa 2. Tissue/cell: Human lung cancer tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-Factor D Polyclonal Antibody, Unconjugated (TMAB-00467) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.



Application:	IF,IHC-Fr,IHC-P,WB
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Factor D/Adipsin
Antigen Species:	Human
Gene ID:	1675
Uniprot ID:	P00746
Synonyms:	AMBP-1;CFD;FACTOR D;PFD;DF;ADN;C3 convertase activator;Complement factor D;EC 3.4.21; Adipsin;EC 3.4.21.46
Biology Area:	Alternative Pathway

Research Background

Adipsin is the mouse homolog of the previously described human complement Factor D, a serine protease, which is now designated human Adipsin. Human Adipsin is highly expressed in and secreted by adipose tissue, and it has also been found in monocytes and macrophages. Rodent Adipsin has only been detected in high levels in adipose tissue. It has been shown that complement factor B, when complexed with activated complement component C3, is cleaved by Adipsin. While low expression of Adipsin has been confirmed in obese mice with hypothalamic defects, this inverse correlation between Adipsin expression and obesity has not been demonstrated in humans.

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