

Anti-IRF6 Antibody (1S582)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 53 kDa. Actual: 58 kDa.
Clone:	1S582
Purification:	Protein A purified

Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (IRF6) Monoclonal antibody, Unconjugated (TMAB-07805) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
	2. Paraformaldehyde-fixed, paraffin embedded (human breast); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (IRF6) Monoclonal antibody, Unconjugated (TMAB-07805) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
	3. Sample:
	Lane 1: Human K562 cell lysates
	Lane 2: Human MCF-7 cell lysates
	Lane 3: Human SW480 cell lysates
	Lane 4: Human A431 cell lysates
	Lane 5: Human SH-SY5Y cell lysates
	Primary: Anti-IRF6 (TMAB-07805) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 53 kDa	
Observed band size: 58 kDa	
Application:	WB,IHC-P,IHC-Fr,ICC/IF,IF
Recommended	WB: 1:1000-2000; IHC-P: 1:50-200; IHC-Fr: 1:50-200; ICC/IF: 1:50-200; IF: 1:50-200

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human IRF6 protein, around C-terminal 150aa
Antigen Species: Human
Gene ID: 3664
Uniprot ID: O14896

Research Background

Interferon regulatory factor-1 (IRF-1) and IRF-2 have been identified as novel DNA-binding factors that function as regulators of both type I interferon (interferon-alpha and beta) and interferon-inducible genes. The two factors are structurally related, particularly in their N-terminal regions, which confer DNA binding specificity. In addition, both bind to the same sequence within the promoters of interferon-alpha and interferon-beta genes. IRF-1 functions as an activator of interferon transcription, while IRF-2 binds to the same cis elements and represses IRF-1 action. IRF-1 and IRF-2 have been reported to act in a mutually antagonistic manner in regulating cell growth; overexpression of the repressor IRF-2 leads to cell transformation while concomitant overexpression of IRF-1 causes reversion. IRF-1 and IRF-2 are members of a larger family of DNA binding proteins that includes IRF-3, IRF-4, IRF-5, IRF-6, IRF-7, ISGF-3 gamma p48 and IFN consensus sequence-binding protein (ICSBP).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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