Data Sheet (Cat.No.TMAB-00600)

TargetMol

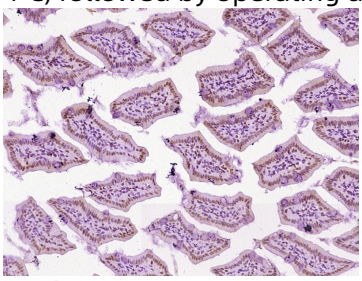
Anti-EGR3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 43 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (Mouse intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (EGR3) Polyclonal Antibody, Unconjugated (TMAB-00600) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining.



Application:	IF,IHC-Fr,IHC-P
Recommended	IF=1:100-500; IHC-Fr=1:100-500; IHC-P=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 EGR3
Antigen Species:	Human
Gene ID:	1960
Uniprot ID:	Q06889
Synonyms:	EGR-3;zinc finger protein pilot;early growth response protein 3;early growth response gene 3; early growth responsive 3;early growth response 3;MGC138484;pilot
Biology Area:	Zinc Finger,Transcription Factors,Neural Signal Transduction,Neuroregeneration

Research Background

EGR3 is a member of the early growth response transcription factor family of C2H2 zinc finger proteins (other members EGR1, EGR2 and EGR4). EGR proteins are immediate early proteins, expression of which is swiftly upregulated in response to a wide range of extracellular stimuli. EGR3 is also thought to be involved in development of muscle spindles, and is upregulated in several regions of the brain in response to stress or injury.

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