Rabbit anti-Human EGR4 Polyclonal Antibody | anti-EGR4 antibody

Anti-EGR4 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256825	**Rabbit**	**Human**	**Immunohistochemistry**

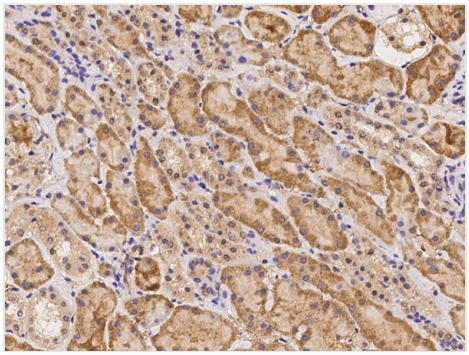
PRODUCT SYNONYMS

EGR4; Polyclonal Antibody; Anti-EGR4 Antibody; Rabbit Polyclonal; EGR4 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-NGFI-C Antibody; Anti-NGFIC Antibody; Anti-PAT133 Antibody; anti-EGR4 antibody

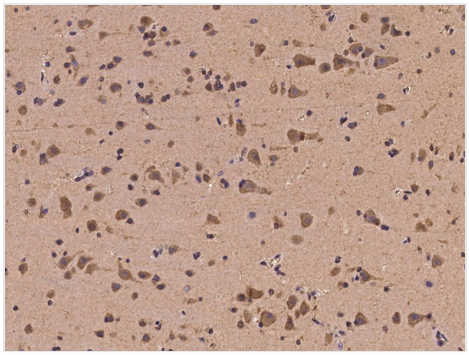
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human EGR4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-EGR4 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human EGR4 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human EGR4 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunochemical staining of human EGR4 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human EGR4 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-EGR4 antibody	Early growth response (EGR) genes play critical roles in signal transduction in the brain, which is involved in neuronal activation, brain development, and synaptic plasticity. The EGR family of transcription regulatory factors is implicated in orchestrating the changes in gene expression that underlie neuronal plasticity. Egr4 is expressed in primary and secondary spermatocytes in adult mouse testes and has a crucial role in regulating germ cell maturation. The functional loss of Egr4 blocks spermatogenesis, significantly reducing the number of spermatozoa that are produced. EGR genes, including EGR2, EGR3, and EGR4, showed significant association with schizophrenia in Japanese schizophrenic pedigrees. In particular, EGR3, which resides at the chromosomal location 8p21.3, was suggested to be a potential susceptibility gene in schizophrenia based on a study of Japanese cases.
References	Sung SR, et al. (2017) Sequence variations of the egr4 gene in korean men with spermatogenesis impairment. BMC Med Genet 18 (1): 47.Kim SH, et al. (2010) Egr3 as a potential susceptibility gene for schizophrenia in korea. Am J Med Genet B Neuropsychiatr Genet 153b (7): 1355-1360.Beckmann AM, et al. (1997) Egr transcription factors in the nervous system. Neurochem Int 31 (4): 477-510; discussion 517-476.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/egr4-antibody-immunohistochemistry-elisa/256825