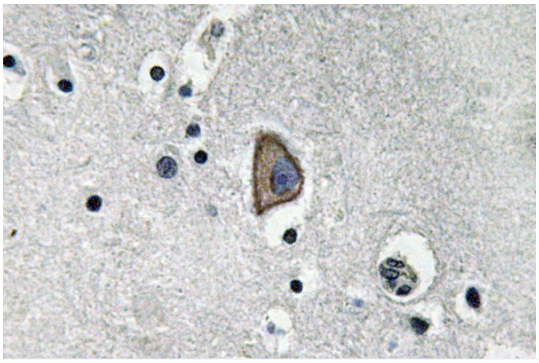
CD3-ε Polyclonal Antibody

Catalog No	YP-Ab-13901
Isotype	IgG
Reactivity	Human;Rat;Mouse;;Monkey
Applications	WB;IHC;IF;ELISA
Gene Name	CD3E
Protein Name	T-cell surface glycoprotein CD3 epsilon chain
Immunogen	The antiserum was produced against synthesized peptide derived from human CD3-epsilon. AA range:22-71
Specificity	CD3-ε Polyclonal Antibody detects endogenous levels of CD3-ε protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CD3E; T3E; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD antigen CD3e
Observed Band	21kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	Blood,T-cell,
Function	function:The CD3 complex mediates signal transduction.,online information:CD3E mutation db,similarity:Contains 1 Ig-like (immunoglobulin-like) domain.,similarity:Contains 1 ITAM domain.,subunit:The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta.,
Background	The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to

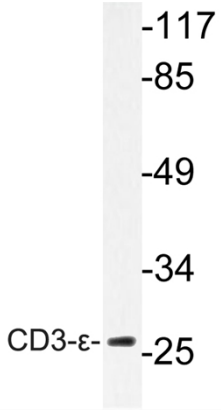
type I diabetes in women. [provided by RefSeq, Jul 2008],

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemistry analysis of CD3-ε antibody in paraffin-embedded human brain tissue.



Western blot analysis of lysate from K562 cells, using CD3-ε antibody.