

## Anti-KAT9/ELP3 Antibody Picoband® (monoclonal, 8B4) HRP Conjugated

Catalog Number: M02833-1-HRP

### About ELP3

Elongator complex protein 3, also named KAT9, is a protein that in humans is encoded by the ELP3 gene. It is mapped to 8p21.1. ELP3 is the catalytic histone acetyltransferase subunit of the RNA polymerase II elongator complex, which is a component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. ELP3 supports the migration and branching of projection neurons through acetylation of alpha-tubulin in the developing cerebral cortex. In mammals, ELP3 is important for paternal DNA demethylation after fertilization. ELP3 is potentially involved in cellular redox homeostasis by mediating the acetylation of glucose-6-phosphate dehydrogenase. Besides, ELP3 may play a role in chromatin remodeling and is involved in acetylation of histones H3 and probably H4.

### Overview

Product Name	Anti-KAT9/ELP3 Antibody Picoband® (monoclonal, 8B4) HRP Conjugated
Reactive Species	Human, Mouse, Rat
Application	WB, IHC, ELISA
Clonality	Monoclonal 8B4
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	Q9H9T3

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human KAT9/ELP3, identical to the related mouse sequence.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2a
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users.

Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.  
ELISA, Optimal dilutions should be determined by end users.

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