



ATG13 Polyclonal Antibody

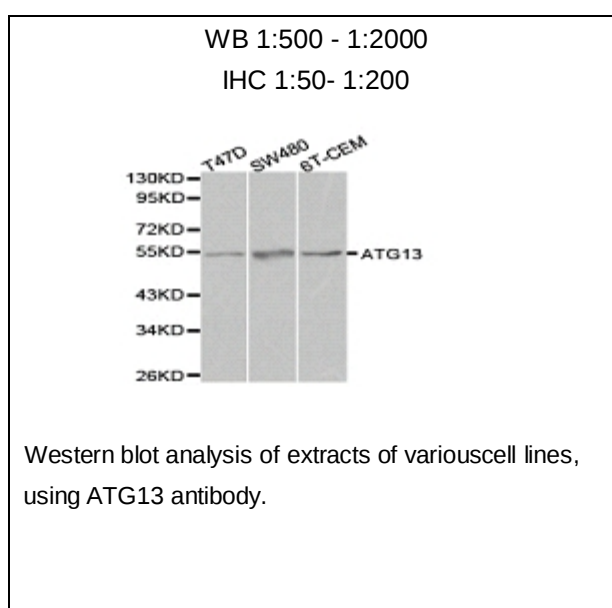
E90690

Catalog Number: E90690**Amount:** 100ul

Background: The autophagy-related protein 13 (Atg13) plays an important role in the formation of autophagosomes. Autophagosomes are formed in response to nutrient deprivation and function as the transport vesicles for organelles, proteins, and protein complexes targeted for lysosomes that digest these cargos to produce energy and nutrients. Atg13 is activated by the mTOR pathway and forms a complex with the FIP200 protein. This complex is involved in enhancing the activity of the ULK1 kinase which is required for the formation of autophagosomes. Atg13/FIP200 facilitates the localization of ULK1 to pre-autophagosomes, and subsequently stabilizes ULK1. Autophagy is an important process in development, growth, and cell differentiation, and disruption of this process may contribute to cancer, aging, and neurodegenerative diseases.

Species: Rabbit**Isotype:** IgG

Storage/Stability: Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: KIAA0652; ATG13; FLJ20698 ;**Immunogen:** Recombinant protein of human ATG13**Purification:** Affinity purification**Reactivity:** H M R**Applications:** WB IHC**Molecular Weight:** 57kDa**Swiss-Prot No. :** O75143**Gene ID:** 9776

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