Elabscience®

(KO Validated) AK2 Polyclonal Antibody
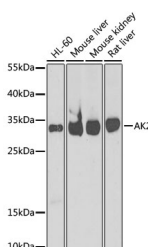
Catalog No.	E-AB-61188	**Reactivity**	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

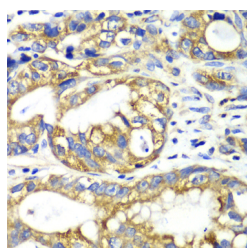## Images
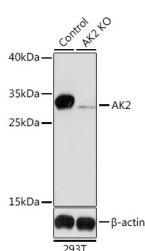
Western blot analysis of extracts from normal (control) and AK2 knockout (KO) 293T cells using AK2 Polyclonal Antibody at dilution of 1:1000.

Western blot analysis of extracts of various cell lines using AK2 Polyclonal Antibody at dilution of 1:1000.

Immunohistochemistry of paraffin-embedded Human gastric cancer using AK2 Polyclonal Antibody at dilution of 1:100 (40x lens).

Immunogen Information

Immunogen	Recombinant fusion protein of human AK2 (NP_001616.1).
GeneID	204
Swissprot	P54819
Synonyms	AK2,ADK2

Product Information

Calculated MW	14kDa/21kDa/22kDa/24kDa/25kDa/26kDa
Observed MW	32kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IHC 1:50-1:200

Background

Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Three isozymes of adenylate kinase, namely 1, 2, and 3, have been identified in vertebrates; this gene encodes isozyme 2. Expression of these isozymes is tissue-specific and developmentally regulated. Isozyme 2 is localized in the mitochondrial intermembrane space and may play a role in apoptosis. Mutations in this gene are the cause of reticular dysgenesis. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 1 and 2.

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