

## EIF4A1 (Succinyl-K309) Antibody

Catalog No: #SAB610

Package Size: #SAB610 100ul

## Description

|                       |                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | EIF4A1 (Succinyl-K309) Antibody                                                                                                                                 |
| Host Species          | Rabbit                                                                                                                                                          |
| Clonality             | Polyclonal                                                                                                                                                      |
| Purification          | The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns. |
| Applications          | WB                                                                                                                                                              |
| Species Reactivity    | Human                                                                                                                                                           |
| Specificity           | EIF4A1(Succinyl-K309) Antibody detects endogenous levels of eIF4A1 only when succinylated at K309.                                                              |
| Immunogen Description | A synthesized peptide derived from human eIF4A1 around the succinylated site of K309.                                                                           |
| Conjugates            | Unconjugated                                                                                                                                                    |
| Other Names           | eIF-4A-I, eIF4A-I, DDX2A, EIF4A                                                                                                                                 |
| SDS-PAGE MW           | 46kDa                                                                                                                                                           |
| Concentration         | 1 mg/ml                                                                                                                                                         |
| Formulation           | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.              |
| Storage               | Store at -20°C/1 year                                                                                                                                           |

## Application Details

Western Blot: 1/500 - 1/2000

## Background

ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.