

**EYA2, 244-514aa, Human, His tag, E.coli**

**Cat.NO.: TP02064**

3th Edition

**Synonyms:**Eyes absent homolog 2, EAB1, MGC10614.

**Description:**EYA2, also known as eyes absent homolog 2, is a member of tyrosine phosphatase family that specifically dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph). This protein promotes efficient DNA repair by dephosphorylating H2AX, promoting the recruitment of DNA repair complexes containing MDC1.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

**Molecular Weight:**33.2 kDa (295aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMERVFVWDLDETHIIIFHSLLTGTFASRYGKDTTTSVRIGLMMEEMIFNLADTH  
LFFNDLEDQCDQIHVDDVSSDDNGQDLSTYNFSADGFHSSAPAANLCLGSGVHGGVDWMRKLAFRYRRVKEMYNT  
YKNNVGGLIGTPKRETWLQLRAELEALTDLWLTHSLKALNLINSRPNCVNVLVTTTQLIPALAKVLLYGLGSVFPIENI  
YSATKTGKESCFERIMQRFGRKAVYVVGIDGVEEEQGAKKHNPFWRISCHADLEALRHALELEYL

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.