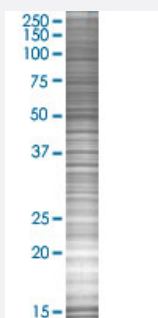


H2AFX 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003014-T02

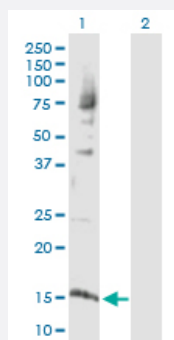
Size 100 uL

Applications



SDS-PAGE Gel

H2AFX transfected lysate.



Western Blot

Lane 1: H2AFX transfected lysate (15.1 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-H2AFX full-length

Host Human

Theoretical MW (kDa) 15.1

Quality Control Testing Transient overexpression cell lysate was tested with Anti-H2AFX antibody ([H00003014-D01P](#)) by Western Blots.

SDS-PAGE Gel
H2AFX transfected lysate.

Western Blot
Lane 1: H2AFX transfected lysate (15.1 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — H2AFX

Entrez GeneID[3014](#)**GeneBank Accession#**[NM_002105.2](#)**Protein Accession#**[NP_002096.1](#)**Gene Name**

H2AFX

Gene Alias

H2A.X, H2A/X, H2AX

Gene Description

H2A histone family, member X

Omim ID[601772](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq]

Other Designations

H2AX histone

Pathway

- [Systemic lupus erythematosus](#)

Disease

- [Azoospermia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Oligospermia](#)
- [Ovarian cancer](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Urinary Bladder Neoplasms](#)