



## Anti-HIST1H3H (full length) polyclonal antibody (DPAB-DC3426)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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 is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.
<b>Immunogen</b>	HIST1H3H (AAH07518, 1 a.a. ~ 136 a.a) full-length recombinant protein with GST tag. The sequence is  MARTKQTARKSTGGKAPRKQLATKAARKSAPATGGVKKPHRYRPGTVALRENRRYQKSTE LLIRKLPFQRLVREIAQDFKTDLRFQSSAVMALQEACEAYLVGLFEDTNLCAIHAKRVTI MPKDIQLARRIRGERA
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">HIST1H3H histone cluster 1, H3h [ Homo sapiens (human) ]</a>
Official Symbol	HIST1H3H
Synonyms	HIST1H3H; histone cluster 1, H3h; H3/k; H3FK; H3F1K; histone H3.1; histone H3/k; histone 1, H3h; H3 histone family, member K;
Entrez Gene ID	<a href="#">8357</a>
Protein Refseq	<a href="#">NP_003527</a>
UniProt ID	<a href="#">P68431</a>
Chromosome Location	6p22.1
Pathway	Alcoholism; Amyloids; Cell Cycle, Mitotic; Cellular responses to stress