



Anti-HMGB2 (aa 91-187) polyclonal antibody (DPAB-DC1569)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination.
Immunogen	HMGB2 (NP_002120, 91 a.a. ~ 187 a.a) partial recombinant protein with GST tag. The sequence is DPNAPKRPPSAFFLFCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPYEQKAAK LKEKYEKDIAAYRAKGKSEAGKKGPGRPTGSKKNEP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	HMGB2 high mobility group box 2 [Homo sapiens (human)]
Official Symbol	HMGB2
Synonyms	HMGB2; high mobility group box 2; HMG2; high mobility group protein B2; HMG-2; high-mobility group box 2; high mobility group protein 2; high-mobility group (nonhistone chromosomal) protein 2;
Entrez Gene ID	3148
Protein Refseq	NP_001124160
UniProt ID	P26583
Chromosome Location	4q31
Pathway	Activation of DNA fragmentation factor; Apoptosis induced DNA fragmentation; RB in Cancer;
Function	DNA binding; DNA binding, bending; RAGE receptor binding; chemoattractant activity
