

Product datasheet for **TA321436**

HMG1 (HMGB1) Rabbit Polyclonal Antibody

Product data:

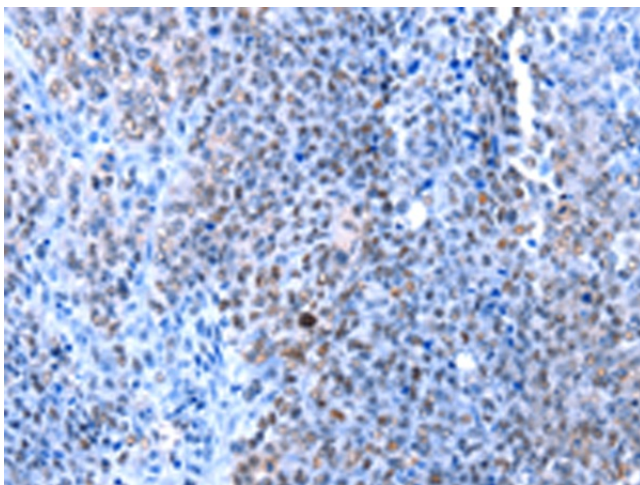
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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Primary Antibodies |
| Applications: | IHC |
| Recommended Dilution: | IHC: 10-50 Positive control: Human ovarian cancer Predicted cell location: Nucleus |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide corresponding to a region derived from 167-181 amino acids of Human high mobility group box 1 |
| Formulation: | PBS pH7.3, 0.05% NaN ₃ , 50% glycerol |
| Concentration: | lot specific |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | high mobility group box 1 |
| Database Link: | NP_002119 Entrez Gene 15289 Mouse Entrez Gene 25459 Rat Entrez Gene 3146 Human P09429 |
| Background: | DNA binding proteins that associates with chromatin and has the ability to bend DNA. Binds preferentially single-stranded DNA. Involved in V(D)J recombination by acting as a cofactor of the RAG complex. Acts by stimulating cleavage and RAG protein binding at the 23 bp spacer of conserved recombination signal sequences (RSS). Heparin-binding protein that has a role in the extension of neurite-type cytoplasmic processes in developing cells |
| Synonyms: | HMG1; HMG3; SBP-1 |
| Protein Families: | Druggable Genome, Stem cell - Pluripotency, Transcription Factors |



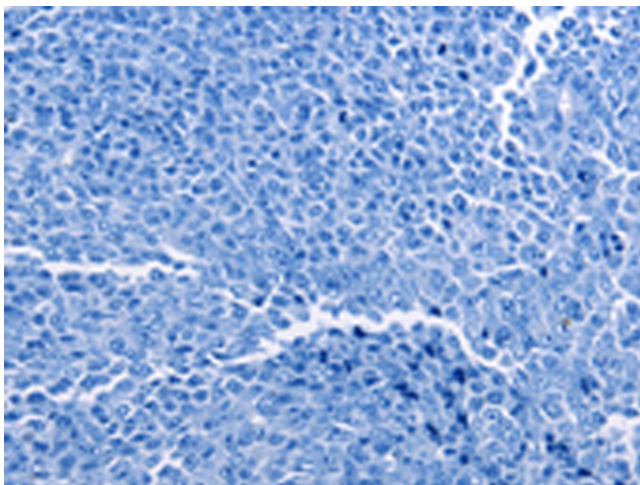
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Protein Pathways: Base excision repair

Product images:



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321436 (HMGB1 Antibody) at dilution 1/13 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321436 (HMGB1 Antibody) at dilution 1/13, treated with synthetic peptide. (Original magnification: $\times 200$)